

# ASMA

## 1993 Annual Survey of Manufactures

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M93(AS)-2

### Value of Product Shipments



U.S. Department of Commerce  
BUREAU OF THE CENSUS



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**U.S. Department of Commerce**  
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**David J. Barram**, Deputy Secretary

**Economics and Statistics Administration**  
**Everett M. Ehrlich**, Under Secretary  
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## Acknowledgments

**David W. Cartwright**, former Assistant Chief for Census and Related Programs, was responsible for the overall management of the Annual Survey of Manufactures (ASM). He guided the planning and implementation of the project and coordinated activities with other divisions. The review and analysis of the data were performed in Manufacturing and Construction Division under the direction of **Judy Dodds**, Chief of the Food, Textiles and Apparel Branch, **Ken Hansen**, Chief of the Metals and Industrial Machinery Branch, **Bruce M. Goldhirsch**, Chief of the Electrical and Transportation Branch, and **Michael J. Zampogna**, Chief of the Wood and Chemical Products Branch, assisted by **Michael Brown**, **Raphael S. Corrado**, **Al Foreman**, **Mendel Gayle**, **Ted McGrath**, **Robert Reinard**, **Nathaniel Shelton**, **Milbren Thomas**, **Carol Beasley**, **Brenda Campbell**, **Kimberly Ciurca**, **Maria Dixon**, **Mary Ellickson**, **Keith Featherstone**, **Rhonda Geddings**, **Mary Glascoe**, **Indrek Grabbi**, **David Gromos**, **Mary Jane Gwynn**, **Lissene Hafenrichter**, **Kaylene Hanks**, **Karen Harshbarger**, **Walter R. Hunter, Jr.**, **Jim Jamski**, **Richard Keach**, **Belva Kirk**, **Andrew Kraynak**, **Brenda Lukenich**, **Jack Matthews**, **Keith McKenzie**, **John Miller**, **Robert Miller**, **Michael Narod**, **Joanna T.Q. Nguyen**, **Suzanne Pasdar**, **Joyce Pomeroy**, **Stephen Pope**, **Annette Ralston**, **Renee Reda**, **Jerry Roth**, **Wanda Sledd**, **Susan Sundermann**, **Ann Truffa**, **Richard Wiesler**, **Richard Williamson**, and **Michael Yamaner**.

The coordination activities, such as developing specifications and procedures and liaison with the Data Preparation Division, were conducted by **S. Mark Schmidt**, **Robert A. Rosati**, **Dennis Scheurich**, **Sheila Proudfoot**, **Richard Sterner**, and **Brandy Yarbrough** under the direction of **Dennis L. Wagner**, Chief, Post Collection Census Branch. Overall coordination of the publication process was performed by **Baruti A. Taylor** and **Julius Smith, Jr.**, under the direction of **A. William Visnansky**, Chief, Special Reports Branch.

The design and implementation of the sample, as well as the coverage operations designed to maintain the quality of the sample were provided by the Research and Methodology Staff. This staff also was responsible for the development of the estimation procedures used by the survey including estimates of reliability shown in the published tables. Key members of the Research and Methodology Staff included **Stacey Cole**, **Douglas Bond**, **Lynn Harnois**, and **Robert Struble**. This staff worked under the direction of **Brian V. Greenberg**, Assistant Chief for Research and Methodology.

The computer processing systems were developed and coordinated under the direction of **Martin S. Harahush**, Assistant Chief for Quinquennial Programs, Economic Programming Division. **Roy A. Smith**, **Hugh P. Watters**, **Venancio R. Aguirre**, **Robert R. Conard**, **Phoung-Mai T. Do**, **Florence C. Gapsis**, **Lori A. Guido**, **Traci A. Least**, **Hieu M. Nguyen**, and **Charles F. Stout** developed the computer editing and tabulation programs under the direction of **Gary T. Sheridan**, Chief, Manufactures and Minerals Programming Branch.

Mailout preparation and receipt operations, clerical and analytical review activities, data keying, and geocoding review were performed in the Data Preparation Division under the direction of **Judith N. Petty**, Chief.

The staff of Administrative and Publications Services Division, **Walter C. Odom**, Chief, performed publication planning, design, composition, editorial review, and printing planning and procurement. **Cynthia G. Brooks** provided publication coordination and editing.

Special acknowledgment is due to the many businesses whose cooperation was essential to the success of the survey.



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# Introduction

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## GENERAL

This report contains estimates of the 1993 value of product shipments for approximately 1,750 classes of manufactured products.

The 1993 product class estimates are based on reports from a representative sample of about 55,000 manufacturing establishments included in the 1993 Annual Survey of Manufactures (ASM). Comparative data from the 1992 Census of Manufactures also are included.

## SCOPE AND USE OF ANNUAL SURVEY

The 1993 ASM is the 35th survey of this type conducted by the Bureau of the Census to provide the key measures of manufacturing activity for industry groups and important industries for intercensal years. These key measures, as well as other detailed statistics for manufacturing, were collected in the censuses of manufactures; the three most recent censuses covered the years 1982, 1987, and 1992. An annual survey was conducted for each of the years between censuses starting with 1949.

During intercensal periods, these annual surveys provide a continuous series of basic statistics for industries and furnish benchmarks for current business indicators and for measures of industrial production and productivity. The survey also provides significant data in connection with planning for industrial mobilization.

## DESCRIPTION OF SURVEY SAMPLE

The statistics presented are estimates compiled for a survey which is composed of two components. The mail portion of the survey is a probability sample of about 55,000 manufacturing establishments selected from a total of about 200,000 establishments. These 200,000 establishments represent all manufacturing establishments of multiunit companies and all single-establishment manufacturing companies mailed schedules in the 1987 Census of Manufactures. This mail portion is supplemented annually by a Social Security Administration list of new single-establishment manufacturing companies opened after 1987 and a list of new manufacturing establishments of multies-establishment companies identified from the Census Bureau's Company Organization Survey.

The 1989 through 1993 ASM sample is similar to the previous sample. For the current panel, all establishments of companies with 1987 shipments in manufacturing in

excess of \$500 million were included in the survey panel with certainty. There are approximately 575 such companies collectively accounting for approximately 18,000 establishments.

For the remaining portion of the mail survey, the establishment was defined as the sampling unit. For this portion, all establishments with 250 employees or more and establishments with a large value of shipments also were included in the survey panel with certainty. A total of about 10,000 establishments was selected from this portion of the universe with certainty. Therefore, of the 55,000 manufacturing establishments included in the ASM panel, approximately 28,000 were selected with certainty. These certainty establishments collectively accounted for approximately 80 percent of the total value of shipments in the 1987 census.

Smaller establishments in the remaining portion of the mail survey were sampled with probabilities ranging from 0.999 to 0.005 in accordance with mathematical theory for optimum allocation of a sample. The probabilities of selection assigned to the smaller establishments were proportional to measures of size determined for each establishment. The measures of size depend directly upon each establishment's 1987 product class values and the historic variability of the year-to-year shipments of each product class. Product classes displaying more volatile year-to-year change in shipments at the establishment level were sampled at a heavier rate.

This method of assigning measures of size was used to maximize the precision (that is, minimize the variance of estimates of the year-to-year change) in the value of product class shipments. Implicitly, it also gave weight to differences in employment, value added, and other general statistics, since these are highly correlated with value of shipments. Individual sample selection probabilities were obtained by multiplying each establishment's final measure of size by an overall sampling fraction coefficient calculated to yield a total expected sample size. The sample selection procedure also gave each establishment in the sampling frame an independent chance of selection. This method of independent selection permits the rotation of small establishments out of a given sample panel without introducing a bias into the survey estimates.

The nonmail portion of the survey includes all single-establishment companies that were tabulated as administrative records in the 1987 Census of Manufactures and all single-establishment company births in 1988 through 1991

below a payroll cutoff that varied by four-digit SIC. These cutoffs were derived from the nonmail payroll cutoffs used for the 1987 Census of Manufactures by adjusting them for inflation. This portion was not sampled; rather, the data for every establishment in this group were estimated based on selected information obtained annually from the administrative records of the Internal Revenue Service (IRS) and the Social Security Administration (SSA). This administrative-record information, which includes payroll, total employment, industry classification, and physical location of the establishment, was obtained under conditions which safeguard the confidentiality of both tax and census records. Estimates of data other than payroll and employment for these small establishments were developed from industry averages. Although this portion contained approximately 160,000 establishments, it accounted for less than 2 percent of the estimate for total value of shipments at the total manufacturing level.

The corresponding estimates for the mail and nonmail establishments were added, along with the base-year differences, as defined in the Description of Estimating Procedure section, to produce the figures shown in this publication.

## DESCRIPTION OF ESTIMATING PROCEDURE

Most of the ASM estimates for 1993 were computed using a difference estimation procedure. For each item, the difference between the 1987 census published number for an item total and the linear estimate of the totals from the ASM sample was generated. These base-year differences were then added to the corresponding current-year linear estimates, which include the estimates for the mail and nonmail establishments, to produce the current-year estimates shown in this publication. Estimates developed by this procedure usually are more reliable than comparable linear estimates developed from the current sample data alone.

## ADJUSTMENTS OF HISTORICAL DATA

During census years, the data tabulated for the ASM panel have typically been low in comparison to the census data. For 1982 and 1977, the ASM level was 2.0 to 2.5 percent low in terms of value of shipments. For 1987, the ASM level was about 3.5 percent low compared to the census. New single-establishment companies that are not completely classified after IRS and SSA coding and the timing of the inclusion of new plants and acquisitions of multi-establishment companies to the frame contribute to the low ASM estimate for 1987. Procedures were developed for the 1988 ASM to correct the timing of including new plants of multi-establishment companies. However, the identification of new single-establishment companies remains a problem.

Not only was the 1987 ASM low, but also the published ASM estimates between the census years of 1982 and 1987 appear to be low. Recently, the Census Bureau staff

benchmarked shipments and inventories data from the Manufactures Shipments, Inventories, and Orders survey to the 1987 Census of Manufactures and the 1988 ASM. The benchmarking procedure provides an approximation of the understatement at the total manufacturing level. Similar estimates at the detailed four-digit industry, five-digit product class, or geographic area level are not available. The chart below shows the ASM inventories and shipments data at the total manufacturing level with the comparable adjustments determined through the benchmarking process:

Year	End-of-year inventories (million dollars)		Value of shipments (million dollars)	
	Published	Adjusted	Published	Adjusted
1988.....	361 472	361 477	2 682 509	2 682 492
1987.....	332 376	332 619	2 474 646	2 475 906
1986.....	311 124	317 567	2 260 317	2 335 881
1985.....	332 370	329 555	2 280 188	2 334 456
1984.....	329 593	334 236	2 254 430	2 288 184
1983.....	308 002	307 675	2 054 899	2 070 564
1982.....	307 212	307 212	1 960 200	1 960 214

## QUALIFICATIONS OF THE DATA

The estimates developed from the sample are apt to differ somewhat from the results of a survey covering all companies in the sample lists but otherwise conducted under essentially the same conditions as the actual sample survey. The estimates of the magnitude of the sampling errors (the difference between the estimates obtained and the results theoretically obtained from a comparable, complete-coverage survey) are provided by the standard errors of estimates.

The particular sample selected for the ASM is one of many similar probability samples that, by chance, might have been selected under the same specifications. Each of the possible samples would yield somewhat different sets of results, and the standard errors are measures of the variation of all the possible sample estimates around the theoretical, comparable, complete-coverage values.

Estimates of the standard errors have been computed from the sample data for selected statistics in this report. They are represented in the form of relative standard errors (the standard errors divided by the estimated values to which they refer).

In conjunction with its associated estimate, the relative standard error may be used to define confidence intervals (ranges that would include the comparable, complete-coverage value for specified percentages of all the possible samples).

The complete coverage value would be included in the range:

1. From one standard error below to one standard error above the derived estimate for about two-thirds of all possible samples.

2. From two standard errors below to two standard errors above the derived estimate for about 19 out of 20 of all possible samples.
3. From three standard errors below to three standard errors above the derived estimate for nearly all samples.

An inference that the comparable, complete-survey result would be within the indicated ranges would be correct in approximately the relative frequencies shown. Those proportions, therefore, may be interpreted as defining the confidence that the estimates from a particular sample would differ from complete-coverage results by as much as one, two, or three standard errors, respectively.

For example, suppose an estimated total is shown at 50,000 with an associated relative standard error of 2 percent, that is, a standard error of 1,000 (2 percent of 50,000). There is approximately 67 percent confidence that the interval 49,000 to 51,000 includes the complete-coverage total, about 95 percent confidence that the interval 48,000 to 52,000 includes the complete-coverage total, and almost certain confidence that the interval 47,000 to 53,000 includes the complete-coverage total.

In addition to the sample errors, the estimates are subject to various response and operational errors: errors of collection, reporting, coding, transcription, imputation for nonresponse, etc. These operational errors also would occur if a complete canvass were to be conducted under the same conditions as the survey. Explicit measures of their effects generally are not available. However, it is believed that most of the important operational errors were detected and corrected during the Census Bureau's review of the data for reasonableness and consistency. The small operational errors usually remain. To some extent, they are compensating in the aggregated totals shown. When important operational errors were detected too late to correct the estimates, the data were suppressed or were specifically qualified in the tables.

As derived, the estimated standard errors included part of the effect of the operational errors. The total errors, which depend upon the joint effect of the sampling and operational errors, are usually of the order of size indicated by the standard error, or moderately higher. However, for particular estimates, the total error may considerably exceed the standard errors shown. Any figures shown in the tables in this publication having an associated standard error exceeding 15 percent may be combined with higher level totals, creating a broader aggregate, which then may be of acceptable reliability.

## DESCRIPTION OF IMPUTATION PROCEDURE

The need for imputation in the ASM arises from several sources. Complete nonresponse, partial nonresponse, inconsistent reported data, and the Bureau's desire to reduce the reporting burden for small manufacturers are the primary factors contributing to the need for imputation.

For purposes of the ASM, an item is considered to be an impute if the value was not directly reported on the questionnaire, directly derived from other reported items, directly available from supplemental sources, or obtained from the respondent during the analytical review phase.

In imputing records for nonrespondents, two basic approaches are followed. For most larger establishments, operational information is available from the prior-year ASM. Imputation for 1993 data for establishments with 1992 data available involves adjusting the corresponding 1992 data by estimates of the year-to-year relative change. These estimates are developed based on employment and payroll data from the Bureau of Labor Statistics at the industry group (three-digit SIC) level and are then applied to the 1990 prior-year establishment values for employment and payroll. The remaining data for the establishment are developed based on their prior-year relationship to these two control items. For nonrespondents that have no prior-year record available including establishments not included in the mail portion of the survey, administrative-record data for annual payroll and employment are used. For all other items, industry average relationships between these control items and the item to be imputed are used.

At the total manufacturing level, the overall imputation rate is approximately 7 percent of the published value of shipments figure for 1993. However, this rate varies widely by four-digit industry, five-digit product class, and State total. The median imputation rate for a four-digit industry was 10 percent; for a five-digit product class, the rate was somewhat higher; and for a State total, the rate was comparable to the four-digit industry.

## PRODUCT CLASSES

A product class is a grouping of individual products of an industry. It is designated by a five-digit code, the first four digits indicating the industry and the fifth digit, the specific group of products. The value of shipments for the class of product codes presented here is on a wherever-made basis; for example, it represents total shipments by all manufacturing industries (the industry in which the product class is primary and other industries in which the product class is secondary). In some cases, by definition, a product class is limited to the products of a particular manufacturing process. Wherever another product class accounts for additional production of the same end products, a cross reference is provided; for example, meat packing plant products: 20116, pork, processed, made in meat packing plants (see also code 20136). Table 2 shows total value of products shipped for products that are primary to more than one industry. The total value of shipments of all product classes belonging to an industry also is shown on the same wherever-made basis. It is designated by the four-digit industry code followed by a dash (2013-, if the industry has more than one product class) and by the four-digit industry code followed by another digit if the industry has only one product class (20210). The four-digit product class aggregate is not the same as the total industry value of shipments.



## ABBREVIATIONS AND SYMBOLS

The following abbreviations and symbols are used in this publication:

- Represents zero.
- (A) Standard errors of 100 percent or more.
- (D) Withheld to avoid disclosing data for individual companies; data are included in higher level totals.
- (NA) Not available.

- (NC) Not comparable.
- (S) Withheld because estimate did not meet publication standards.
- (X) Not applicable.
- (Z) Less than half the unit shown.
- n.e.c. Not elsewhere classified.
- n.s.k. Not specified by kind.
- pt. Part.
- r Revised.
- SIC Standard Industrial Classification.

Table 1. Value of Shipments for Product Classes: 1993 and 1992

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>20</b>	<b>FOOD AND KINDRED PRODUCTS</b>			
<b>2011—</b>	<b>Fresh and frozen meat from animals slaughtered in this plant</b>	<b>49 467.0</b>	<b>46 796.4</b>	<b>1</b>
20111	Beef, not canned or made into sausage	29 114.7	26 890.2	1
20112	Veal, not canned or made into sausage	269.1	283.0	3
20113	Lamb and mutton, not canned or made into sausage	290.2	335.0	16
20114	Pork, not canned or made into sausage	9 897.9	9 635.0	1
20115	Lard <sup>1</sup>	104.0	94.2	1
20116	Pork, processed or cured (not canned or made into sausage)(see also code 20136) <sup>2</sup>	2 112.4	2 043.6	2
20117	Sausages and similar products (not canned)(see also code 20137) <sup>2</sup>	1 502.9	1 718.2	3
20118	Hides, skins, and pelts (D)	(D)	(D)	(X)
20119	Miscellaneous byproducts of meat packing plants (D)	1 871.3	1 992.2	1
2011B	Fresh and frozen meat from animals slaughtered in this plant, n.s.k. (D)	(D)	(D)	(X)
20110		3 191.5	2 804.6	4
<b>2013—</b>	<b>Sausage and other prepared meats</b>	<b>18 834.9</b>	<b>17 718.9</b>	<b>1</b>
20136	Pork, processed or cured, including frozen, not canned or made into sausage (see also code 20116) <sup>2</sup>	3 820.0	3 491.9	1
20137	Sausage and similar products, not canned (see also code 20117) <sup>2</sup>	5 604.1	5 745.7	2
20138	Canned meats (except dog, cat, and baby food), containing 20 percent or more meat (see also code 20118) <sup>2</sup>	1 002.1	873.0	1
2013B	Other processed, frozen, or cooked meats	6 488.6	5 759.7	2
20130	Sausage and other prepared meats, n.s.k.	1 920.0	1 848.6	2
<b>2015—</b>	<b>Poultry and egg processing</b>	<b>24 853.4</b>	<b>23 450.2</b>	<b>1</b>
20151	Young chickens (usually under 20 weeks of age) whole or parts	13 442.7	12 260.0	1
20152	Hens and/or fowl (including frozen whole or parts)	120.4	106.6	3
20153	Turkeys (including frozen, whole or parts)	2 814.6	2 881.1	1
20154	Other poultry and small game (including frozen, whole or parts)	66.9	73.9	1
20155	Processed poultry and small game (except soups) containing 20 percent or more poultry or meat	6 749.9	6 380.7	3
20159	Liquid, dried, and frozen eggs	745.2	746.2	3
20150	Poultry and egg processing, n.s.k.	913.7	1 001.7	14
<b>2021—</b>	<b>Creamery butter</b>	<b>1 085.1</b>	<b>1 206.3</b>	<b>1</b>
20210	Creamery butter	1 085.1	1 206.3	1
<b>2022—</b>	<b>Cheese, natural and processed</b>	<b>16 435.6</b>	<b>15 872.5</b>	<b>1</b>
20223	Natural cheese, except cottage cheese (cheddar, brick, grated, cream, swiss, italian, etc.)	10 212.6	10 085.4	1
20224	Process cheese and related products	5 304.2	5 068.4	1
20225	Cheese substitutes	302.8	313.9	1
20220	Cheese, natural and processed, n.s.k.	616.1	404.8	2
<b>2023—</b>	<b>Dry, condensed, and evaporated dairy products</b>	<b>7 614.1</b>	<b>7 379.9</b>	<b>2</b>
20235	Dry milk products and mixtures	2 989.4	2 876.8	4
20236	Canned milk products (consumer type cans), except substitutes	1 188.9	1 202.3	1
20237	Concentrated milk products shipped in bulk (barrels, drums, and tanks), except substitutes	895.0	903.3	1
20238	Ice cream mixes and related products	789.6	743.5	5
20239	Dairy product substitutes	1 582.7	1 566.0	1
20230	Dry, condensed, and evaporated milk products, n.s.k.	168.4	88.0	1
<b>2024—</b>	<b>Ice cream and frozen desserts</b>	<b>5 439.6</b>	<b>5 278.7</b>	<b>1</b>
20240	Ice cream and ices	5 439.6	5 278.7	1
<b>2026—</b>	<b>Fluid milk</b>	<b>18 421.7</b>	<b>18 572.2</b>	<b>1</b>
20261	Bulk fluid milk and cream	2 949.3	3 031.4	1
20262	Packaged fluid milk and related products, including cartons, bottles, cans, and dispenser cans	11 774.5	11 731.7	1
20263	Cottage cheese (including bakers' cheese, pot cheese, and farmers' cheese)	710.7	769.7	3
20265	Yogurt, except frozen	1 055.4	998.2	1
20267	Perishable dairy product substitutes	266.7	238.4	5
20268	Other packaged milk products, n.e.c.	886.7	886.6	1
20260	Fluid milk, n.s.k.	778.3	916.3	1
<b>2032—</b>	<b>Canned specialties</b>	<b>5 934.8</b>	<b>5 707.6</b>	<b>1</b>
20321	Canned baby foods, except cereal and biscuits <sup>4</sup>	(D)	(D)	(X)
20322	Canned soups, except frozen or seafood <sup>4</sup>	2 103.1	1 986.2	1
20323	Canned dry beans <sup>4</sup>	1 111.2	1 119.5	2
20324	Other canned specialties and canned nationality foods <sup>4</sup>	(D)	(D)	(X)
20320	Canned specialties, n.s.k.	224.8	189.8	2
<b>2033—</b>	<b>Canned fruits and vegetables</b>	<b>15 099.7</b>	<b>15 174.5</b>	<b>1</b>
20331	Canned fruits, except baby foods <sup>4</sup>	2 303.0	2 371.9	2
20332	Canned vegetables, except hominy and mushrooms <sup>4</sup>	2 665.6	2 694.4	4
20333	Canned hominy and mushrooms <sup>4</sup>	203.2	202.0	9
20335	Canned vegetable juices <sup>4</sup>	414.4	409.4	1
20336	Catsup and other tomato sauces, pastes, etc. <sup>4</sup>	3 646.7	3 671.6	1
20338	Jams, jellies, and preserves <sup>4</sup>	919.3	922.3	1
2033A	Canned fruit juices, nectars, and concentrates <sup>4</sup>	3 266.8	3 319.7	1
2033B	Fresh fruit juices and nectars, single strength <sup>4</sup>	1 157.0	1 213.0	4
20330	Canned fruits and vegetables, n.s.k.	523.6	370.3	2
<b>2034—</b>	<b>Dried and dehydrated fruits, vegetables, and soups</b>	<b>2 900.0</b>	<b>2 785.7</b>	<b>2</b>
20342	Soup mixes, dried	625.5	592.4	1
20343	Dried and dehydrated fruits and vegetables (including freeze-dried)	2 167.5	2 124.3	2
20340	Dried and dehydrated fruits, vegetables, and soups, n.s.k.	107.0	69.0	1
<b>2035—</b>	<b>Pickles, sauces, and salad dressings</b>	<b>6 783.5</b>	<b>6 531.3</b>	<b>2</b>
20352	Pickles and other pickled products <sup>4</sup>	1 240.6	1 206.9	9
20353	Prepared sauces (except tomato) <sup>4</sup>	1 820.3	1 754.3	1
20354	Mayonnaise, salad dressings, and sandwich spreads <sup>4</sup>	3 426.4	3 339.7	1
20350	Pickles, sauces, and salad dressings, n.s.k.	296.1	230.3	3
<b>2037—</b>	<b>Frozen fruits and vegetables</b>	<b>7 742.6</b>	<b>7 415.5</b>	<b>3</b>
20371	Frozen fruits, juices, ades, drinks, and cocktails <sup>4</sup>	2 918.7	2 864.0	1
20372	Frozen vegetables <sup>4</sup>	4 627.6	4 418.7	4
20370	Frozen fruits and vegetables, n.s.k.	196.4	132.8	6
<b>2038—</b>	<b>Frozen specialties, n.e.c.</b>	<b>7 504.8</b>	<b>7 219.7</b>	<b>1</b>
20382	Frozen dinners: beef, pork, and poultry pies; and nationality foods	5 514.2	5 334.6	1
20384	Other frozen specialties, n.e.c. <sup>4</sup>	1 683.8	1 662.6	1
20380	Frozen specialties, n.e.c., n.s.k.	306.8	222.5	2

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>20</b>	<b>FOOD AND KINDRED PRODUCTS—Con.</b>			
<b>2041—</b>	<b>Flour and other grain mill products</b> -----	<b>6 694.2</b>	<b>6 194.8</b>	<b>1</b>
20411	Wheat flour, except flour mixes <sup>4</sup> -----	4 409.0	4 192.4	1
20412	Wheat mill products other than flour -----	587.4	494.4	2
20413	Corn mill products -----	836.1	775.7	3
20415	Flour mixes and refrigerated and frozen doughs and batters (see also code 20450) <sup>2</sup> -----	368.5	345.9	1
20416	Other grain mill products <sup>4</sup> -----	257.5	173.4	1
20410	Flour and other grain mill products, n.s.k. -----	235.8	213.0	1
<b>2043—</b>	<b>Cereal breakfast foods</b> -----	<b>8 392.3</b>	<b>7 795.4</b>	<b>1</b>
20431	Ready to serve cereal breakfast foods, except infant cereals -----	7 575.6	7 269.6	1
20432	Other cereal breakfast foods -----	776.7	495.6	3
20430	Cereal breakfast foods, n.s.k. -----	40.0	30.2	44
<b>2044—</b>	<b>Rice milling</b> -----	<b>1 858.5</b>	<b>1 617.9</b>	<b>2</b>
20440	Milled rice and byproducts -----	1 858.5	1 617.9	2
<b>2045—</b>	<b>Prepared flour mixes and doughs</b> -----	<b>4 370.1</b>	<b>3 898.4</b>	<b>3</b>
20450	Flour mixes and refrigerated and frozen doughs and batters (see also code 20415) <sup>2</sup> -----	4 370.1	3 898.4	3
<b>2046—</b>	<b>Wet corn milling</b> -----	<b>6 168.6</b>	<b>6 415.5</b>	<b>1</b>
20461	Corn sweeteners -----	2 791.5	2 911.0	1
20462	Manufactured starch -----	1 297.3	1 305.5	1
20463	Corn oil <sup>4</sup> -----	709.6	801.6	1
20464	Wet process corn byproducts -----	1 314.5	1 363.5	1
20460	Wet corn milling, n.s.k. -----	55.7	34.0	1
<b>2047—</b>	<b>Dog and cat food</b> -----	<b>6 544.2</b>	<b>6 316.2</b>	<b>2</b>
20473	Dog food -----	4 263.7	3 899.8	2
20474	Cat food -----	2 069.8	2 271.1	1
20470	Dog and cat food, n.s.k. -----	210.7	145.3	2
<b>2048—</b>	<b>Prepared feeds, n.e.c.</b> -----	<b>13 776.7</b>	<b>13 285.6</b>	<b>2</b>
20481	Chicken and turkey feed, supplements, concentrates, and premixes -----	4 936.3	4 890.3	5
20482	Dairy cattle feed, complete -----	1 454.7	1 454.7	3
20483	Dairy cattle feed supplements, concentrates, and premixes -----	644.6	678.5	3
20484	Swine feed, complete -----	521.4	541.9	5
20485	Swine feed supplements, concentrates, and premixes -----	1 085.4	1 181.4	3
20486	Beef cattle feed, complete -----	657.3	524.2	12
20487	Beef cattle feed supplements, concentrates, and premixes -----	648.6	623.0	4
20488	Other poultry and livestock feed -----	473.8	511.9	10
20489	Other prepared animal feeds, including feeding materials and adjuncts -----	605.4	465.4	7
2048A	Specialty feeds -----	766.2	747.4	3
20480	Prepared feeds, n.e.c., n.s.k. -----	1 983.0	1 666.8	2
<b>2051—</b>	<b>Bread, cake, and related products</b> -----	<b>15 181.2</b>	<b>14 584.9</b>	<b>1</b>
20511	Bread: white, wheat, and rye (including frozen) -----	6 077.9	5 983.9	1
20512	Rolls, bread-type -----	4 176.5	4 037.0	1
20513	Sweet yeast goods -----	824.4	839.6	4
20514	Soft cakes -----	1 895.6	1 888.2	3
20515	Pies (fruit, cream, and custard) -----	407.0	415.2	1
20516	Pastries -----	189.4	144.9	4
20517	Doughnuts, cake-type, except frozen -----	555.8	498.4	6
20510	Bread, cake, and related products, n.s.k. -----	1 054.5	777.7	3
<b>2052—</b>	<b>Cookies and crackers</b> -----	<b>8 165.8</b>	<b>7 501.8</b>	<b>1</b>
20521	Crackers, pretzels, biscuits, and related products -----	3 472.6	3 221.3	1
20522	Cookies, wafers, and ice cream cones and cups except frozen -----	4 539.5	4 168.9	2
20520	Cookies and crackers, n.s.k. -----	153.7	111.7	1
<b>2053—</b>	<b>Frozen bakery products</b> -----	<b>2 016.3</b>	<b>1 845.2</b>	<b>1</b>
20530	Frozen bakery products -----	2 016.3	1 845.2	1
<b>2061—</b>	<b>Raw cane sugar</b> -----	<b>1 489.0</b>	<b>1 433.2</b>	<b>1</b>
20610	Sugarcane mill products and byproducts -----	1 489.0	1 433.2	1
<b>2062—</b>	<b>Cane sugar refining</b> -----	<b>2 662.5</b>	<b>2 864.1</b>	<b>2</b>
20620	Refined cane sugar and byproducts -----	2 662.5	2 864.1	2
<b>2063—</b>	<b>Beet sugar</b> -----	<b>2 401.5</b>	<b>2 189.7</b>	<b>1</b>
20630	Refined beet sugar and byproducts -----	2 401.5	2 189.7	1
<b>2064—</b>	<b>Candy and other confectionery products, and chewing gum (formerly product code 2067)</b> -----	<b>10 530.9</b>	<b>10 072.9</b>	<b>1</b>
20642	Chocolate and chocolate-type confectionery products made from purchased chocolate (see also code 20662) <sup>2 3</sup> -----	5 278.8	5 167.3	1
20643	Nonchocolate-type confectionery products <sup>3</sup> -----	3 467.9	3 370.1	1
20648	Chewing gum and chewing gum base <sup>3</sup> -----	1 227.7	1 106.3	1
20649	Other confectionery-type products -----	70.7	84.4	14
20640	Candy and other confectionery products, n.s.k. -----	485.7	344.7	1
<b>2066—</b>	<b>Chocolate and cocoa products</b> -----	<b>3 154.9</b>	<b>3 090.8</b>	<b>1</b>
20661	Chocolate coatings <sup>3</sup> -----	632.3	589.5	2
20662	Chocolate and chocolate-type confectionery products made from cocoa beans ground in same establishment (see also code 20642) <sup>2 3</sup> -----	1 517.3	1 495.6	1
20669	Other chocolate and cocoa products <sup>3</sup> -----	903.0	943.2	3
20660	Chocolate and cocoa products, n.s.k. -----	102.2	62.5	3
<b>2068—</b>	<b>Nuts and seeds</b> -----	<b>2 819.8</b>	<b>2 668.6</b>	<b>1</b>
20680	Nuts and seeds (salted, roasted, cooked, or blanched) -----	2 819.8	2 668.6	1
<b>2074—</b>	<b>Cottonseed oil mills</b> -----	<b>745.2</b>	<b>736.7</b>	<b>5</b>
20741	Cottonseed oil, crude -----	84.6	110.0	27
20742	Cottonseed oil, once-refined -----	192.2	176.0	2
20743	Cotton linters -----	47.3	56.3	10
20744	Cottonseed cake and meal and other byproducts -----	401.5	373.6	6
20740	Cottonseed oil mills, n.s.k. -----	19.6	20.8	1
<b>2075—</b>	<b>Soybean oil mills</b> -----	<b>9 774.8</b>	<b>8 951.7</b>	<b>1</b>
20751	Soybean oil -----	2 768.7	2 479.9	1
20752	Soybean cake, meal, and other byproducts -----	6 927.2	6 424.5	1
20750	Soybean oil mills, n.s.k. -----	78.9	47.3	1

See footnotes at end of table.

## 2-6 VALUE OF PRODUCT SHIPMENTS

## ANNUAL SURVEY OF MANUFACTURES

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>20</b>	<b>FOOD AND KINDRED PRODUCTS—Con.</b>			
<b>2076–</b>	<b>Vegetable oil mills, n.e.c. -----</b>	<b>908.2</b>	<b>745.5</b>	<b>1</b>
20761	Linseed oil -----	79.1	79.5	2
20762	Vegetable oils, n.e.c. -----	519.1	465.2	1
20763	Other vegetable oil mill products, n.e.c. -----	248.8	186.3	1
20760	Vegetable oil mills, n.e.c., n.s.k. -----	61.2	14.5	3
<b>2077–</b>	<b>Animal and marine fats and oils -----</b>	<b>2 852.8</b>	<b>2 785.8</b>	<b>2</b>
20771	Grease and inedible tallow -----	982.5	962.5	2
20772	Feed and fertilizer byproducts -----	1 483.8	1 459.3	2
20773	Animal and marine oil mill products -----	186.7	203.2	7
20770	Animal and marine fats and oils, n.s.k. -----	199.7	160.9	1
<b>2079–</b>	<b>Edible fats and oils, n.e.c. -----</b>	<b>5 796.7</b>	<b>5 468.8</b>	<b>1</b>
20791	Shortening and cooking oils -----	4 284.6	3 980.3	1
20792	Margarine -----	1 448.4	1 450.3	1
20790	Edible fats and oils, n.e.c., n.s.k. -----	63.8	38.3	5
<b>2082–</b>	<b>Malt beverages -----</b>	<b>17 643.6</b>	<b>17 301.7</b>	<b>1</b>
20821	Canned beer and ale case goods -----	10 624.7	10 636.2	1
20822	Bottled beer and ale case goods -----	4 951.5	4 861.8	1
20823	Beer and ale in barrels and kegs -----	1 072.1	1 026.3	1
20824	All other malt beverages and brewing products -----	706.7	652.7	1
20820	Malt beverages, n.s.k. -----	288.6	124.7	1
<b>2083–</b>	<b>Malt -----</b>	<b>574.6</b>	<b>573.3</b>	<b>1</b>
20830	Malt and malt byproducts -----	574.6	573.3	1
<b>2084–</b>	<b>Wines, brandy, and brandy spirits -----</b>	<b>4 355.0</b>	<b>4 050.0</b>	<b>1</b>
20840	Wines, brandy, and brandy spirits -----	4 355.0	4 050.0	1
<b>2085–</b>	<b>Distilled and blended liquors -----</b>	<b>3 340.1</b>	<b>3 255.4</b>	<b>1</b>
20851	Distilled liquor, except brandy -----	640.2	643.6	1
20853	Bottled liquor, except brandy -----	2 662.4	2 584.0	1
20850	Distilled and blended liquors, n.s.k. -----	37.4	27.9	1
<b>2086–</b>	<b>Bottled and canned soft drinks -----</b>	<b>23 946.1</b>	<b>23 774.3</b>	<b>1</b>
20863	Bottled carbonated soft drinks -----	7 463.7	7 456.6	1
20864	Canned carbonated soft drinks -----	9 951.5	9 941.3	1
20865	Soft drink flavoring syrup sold in bulk -----	1 137.0	1 052.4	1
20866	Noncarbonated soft drinks -----	4 038.3	3 899.4	1
20860	Bottled and canned soft drinks, n.s.k. -----	1 355.7	1 424.6	1
<b>2087–</b>	<b>Flavoring extracts and syrups, n.e.c. -----</b>	<b>7 408.3</b>	<b>6 784.4</b>	<b>1</b>
20871	Flavoring extracts, emulsions, and other liquid flavors -----	554.3	513.9	5
20872	Liquid beverage bases not for use by soft drink bottlers -----	167.7	158.8	4
20873	Liquid beverage bases for use by soft drink bottlers -----	3 146.1	2 969.8	1
20874	Other flavoring agents (except chocolate syrups) -----	2 822.1	2 697.0	1
20870	Flavoring extracts and syrups, n.e.c., n.s.k. -----	718.1	445.0	1
<b>2091–</b>	<b>Canned and cured fish and seafoods -----</b>	<b>1 251.7</b>	<b>1 138.7</b>	<b>3</b>
20910	Canned and cured fish and other seafoods, including soup (except frozen seafoods and soup) -----	1 251.7	1 138.7	3
<b>2092–</b>	<b>Fresh or frozen prepared fish and seafoods -----</b>	<b>6 206.4</b>	<b>6 449.0</b>	<b>2</b>
20922	Prepared fresh fish and other fresh seafood <sup>4</sup> -----	1 004.0	983.6	6
20923	Frozen fish <sup>4</sup> -----	2 571.6	2 732.4	2
20925	Frozen shellfish <sup>4</sup> -----	1 450.3	1 549.8	3
20926	Other frozen seafoods <sup>4</sup> -----	590.9	596.9	6
20920	Fresh or frozen prepared fish and other seafood, n.s.k. -----	589.7	586.3	3
<b>2095–</b>	<b>Roasted coffee -----</b>	<b>5 045.9</b>	<b>4 701.5</b>	<b>1</b>
20951	Roasted coffee -----	4 002.0	3 763.4	2
20952	Concentrated coffee -----	841.2	819.7	1
20950	Roasted coffee, n.s.k. -----	202.7	118.5	1
<b>2096–</b>	<b>Potato chips and similar products -----</b>	<b>7 932.4</b>	<b>7 543.0</b>	<b>1</b>
20961	Potato chips and sticks, plain and flavored -----	3 446.8	3 263.2	1
20962	Corn chips and related products -----	3 149.5	3 024.1	1
20963	Other chips, sticks, etc. -----	1 074.1	1 071.0	1
20960	Potato chips and similar products, n.s.k. -----	262.0	184.7	1
<b>2097–</b>	<b>Manufactured ice -----</b>	<b>379.9</b>	<b>345.2</b>	<b>3</b>
20970	Manufactured ice -----	379.9	345.2	3
<b>2098–</b>	<b>Macaroni and spaghetti -----</b>	<b>1 445.4</b>	<b>1 279.9</b>	<b>2</b>
20980	Macaroni, spaghetti, and egg noodle products except canned and frozen, not packaged with other ingredients -----	1 445.4	1 279.9	2
<b>2099–</b>	<b>Food preparations, n.e.c. -----</b>	<b>14 714.8</b>	<b>14 183.0</b>	<b>2</b>
20991	Desserts (ready-to-mix) -----	714.9	707.8	1
20993	Sweetening syrups and molasses -----	611.9	607.5	3
20994	Baking powder and yeast -----	331.1	316.0	5
20996	Vinegar and cider -----	235.2	228.5	2
20999	Perishable prepared foods sold in bulk or packages, not frozen or canned -----	2 426.5	2 361.6	6
2099A	Macaroni and noodle products packaged with other ingredients, not canned or frozen -----	1 220.7	1 122.3	1
2099B	Dry mix preparations, except macaroni and noodles -----	2 070.0	2 198.8	2
2099D	Tea in consumer packages -----	1 176.0	1 106.1	1
2099E	Spices -----	1 163.9	1 122.3	1
2099F	Peanut butter -----	1 259.8	1 269.7	10
2099G	Other food preparations, n.e.c. -----	1 616.3	1 661.3	1
20990	Food preparations, n.e.c., n.s.k. -----	1 888.5	1 480.8	1

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>21</b>	<b>TOBACCO PRODUCTS</b>			
<b>2111–</b>	<b>Cigarettes, including nontobacco cigarettes</b> .....	<b>22 705.5</b>	<b>28 839.4</b>	<b>1</b>
21110	Cigarettes, including nontobacco cigarettes <sup>4</sup> .....	22 705.5	28 839.4	1
<b>2121–</b>	<b>Cigars</b> .....	<b>268.3</b>	<b>264.6</b>	<b>5</b>
21210	Cigars <sup>4</sup> .....	268.3	264.6	5
<b>2131–</b>	<b>Chewing and smoking tobacco</b> .....	<b>1 599.8</b>	<b>1 532.7</b>	<b>1</b>
21310	Chewing and smoking tobacco <sup>4</sup> .....	1 599.8	1 532.7	1
<b>2141–</b>	<b>Tobacco stemming and redrying</b> .....	<b>3 156.2</b>	<b>3 749.1</b>	<b>1</b>
21411	Unstemmed leaf tobacco redried before packing <sup>4</sup> .....	(D)	(D)	(X)
21412	Tobacco, stemmed <sup>4</sup> .....	2 836.8	3 067.9	1
21413	Reconstituted tobacco <sup>4</sup> .....	(D)	(D)	(X)
21410	Tobacco stemming and redrying, n.s.k. ....	12.6	12.7	1
<b>22</b>	<b>TEXTILE MILL PRODUCTS</b>			
<b>2211–</b>	<b>Broadwoven fabrics mills, cotton</b> .....	<b>5 863.0</b>	<b>5 711.6</b>	<b>1</b>
2211B	Plain weave fabrics, except pile (gray goods) .....	950.4	941.4	1
2211C	Twill weave fabrics, except pile (gray goods) .....	1 421.6	1 381.7	1
2211D	All other weaves, except pile (gray goods) .....	571.1	535.1	1
2211E	Pile fabrics (gray goods) .....	216.4	300.9	1
2211F	Finished cotton broadwoven fabrics (finished in weaving mills) (see also code 22617) <sup>2</sup> .....	1 364.0	1 253.6	1
2211G	Cotton towels and washcloths (made in weaving mills) (see also code 23923) <sup>2 3</sup> .....	719.8	731.6	1
2211H	Fabricated cotton textile products, except towels and washcloths (made in weaving mills) .....	533.1	497.6	1
22110	Broadwoven fabrics mills, cotton, n.s.k. ....	86.6	69.6	2
<b>2221–</b>	<b>Broadwoven fabrics mills, manmade fiber and silk</b> .....	<b>8 850.0</b>	<b>8 470.8</b>	<b>1</b>
2221B	85 percent or more filament rayon and/or acetate fabrics, including blends chiefly rayon and/or acetate (gray goods) .....	688.4	639.7	1
2221C	85 percent or more filament fabrics, except rayon or acetate (gray goods) .....	2 425.3	2 222.9	1
2221D	85 percent or more spun yarn plain weave fabrics, except wool blends (gray goods) .....	2 011.0	1 952.7	1
2221E	85 percent or more spun yarn twill weave fabrics, except pile, excluding wool blends (gray goods) .....	349.0	301.7	13
2221F	Other 85 percent or more spun yarn fabrics, except pile, excluding wool blends (gray goods) .....	347.0	359.3	1
2221G	Combinations of spun yarn and filament fabrics, except wool blends, each less than 85% of total fiber content (gray) .....	960.8	983.6	1
2221H	Other manmade fiber fabrics and silk fabrics (gray goods) .....	191.8	236.8	3
2221J	Finished manmade fiber and silk broadwoven fabrics (finished in weaving mills) (see also code 22628) <sup>2</sup> .....	1 377.1	1 291.0	1
2221K	Sheets and pillowcases, wholly or chiefly manmade fibers and silk (made in weaving mills) (see also code 23922) <sup>2 3</sup> .....	(D)	(D)	(X)
2221M	Fabricated manmade fiber and silk textile products, except sheets and pillowcases (made in weaving mills) .....	(D)	(D)	(X)
22210	Broadwoven fabrics mills, manmade fiber and silk, n.s.k. ....	114.3	70.8	1
<b>2231–</b>	<b>Broadwoven fabrics mills, wool</b> .....	<b>1 502.1</b>	<b>1 388.2</b>	<b>2</b>
22311	Finished wool yarns, tops, or raw stock, not combed or spun at the same establishment .....	71.2	63.4	14
22312	Wool broadwoven fabrics (gray goods) .....	437.4	393.4	5
22316	Finished broadwoven wool fabrics and felts .....	950.7	887.0	1
22317	Receipts for commission finishing or sponging of wool fabrics .....	(D)	(D)	(X)
22319	Fabricated textile products, 36 percent or more wool (made in weaving mills) .....	(D)	(D)	(X)
22310	Broadwoven fabrics mills, wool, n.s.k. ....	26.7	19.7	2
<b>2241–</b>	<b>Narrow fabrics mills</b> .....	<b>1 296.2</b>	<b>1 263.7</b>	<b>1</b>
22411	Woven narrow fabrics (12 inches or less in width) .....	805.1	810.7	2
22414	Braided narrow fabrics (12 inches or less in width) .....	195.2	201.4	2
22415	Covered rubber thread .....	205.0	197.8	1
22410	Narrow fabrics mills, n.s.k. ....	91.0	53.9	3
<b>2251–</b>	<b>Women's hosiery, except socks</b> .....	<b>1 656.8</b>	<b>1 856.9</b>	<b>5</b>
22514	Women's and misses' finished hosiery, full-length and knee-length .....	150.0	338.7	36
22516	Women's and misses' finished panty hose, including tights .....	1 364.2	1 394.2	5
22518	Women's hosiery shipped in the greige .....	95.4	84.6	3
22510	Women's hosiery, except socks, n.s.k. ....	47.3	39.3	7
<b>2252–</b>	<b>Hosiery, n.e.c.</b> .....	<b>2 540.6</b>	<b>2 462.0</b>	<b>3</b>
22522	Men's finished seamless hosiery (sizes 10 and up) .....	1 061.6	1 129.8	3
22525	All other finished hosiery .....	1 123.0	1 002.6	5
22526	Seamless hosiery shipped in the greige .....	198.0	226.7	4
22520	Hosiery, n.e.c., n.s.k. ....	158.0	102.8	3
<b>2253–</b>	<b>Knit outerwear mills</b> .....	<b>4 284.1</b>	<b>3 517.2</b>	<b>2</b>
22534	Men's and boys' sweaters <sup>3</sup> .....	162.8	172.4	10
22535	Women's, misses', and juniors' sweaters <sup>3</sup> .....	301.1	301.9	10
22536	Girls', children's, and infants' sweaters <sup>3</sup> .....	52.6	25.8	38
2253A	Men's, and boys' knit shirts (see also code 23213) <sup>2 3</sup> .....	1 993.1	1 447.1	2
2253B	Women's, misses', and juniors' knit shirts and blouses (see also code 23313) <sup>2 3</sup> .....	188.6	179.2	7
2253C	Girls', children's, and infants' knit shirts and blouses (see also code 23613) <sup>2 3</sup> .....	80.7	64.0	1
2253D	All other knit outerwear products <sup>3</sup> .....	784.6	743.1	2
2253E	Contract and commission receipts for knitting only or knitting and finishing outerwear .....	529.7	413.4	4
22530	Knit outerwear mills, n.s.k. ....	190.9	170.4	1
<b>2254–</b>	<b>Knit underwear mills</b> .....	<b>1 613.7</b>	<b>1 140.1</b>	<b>2</b>
22541	Men's and boys' knit underwear and nightwear (see also codes 23221 and 23222) <sup>2 3</sup> .....	(D)	(D)	(X)
22544	Women's and children's knit underwear and nightwear (see also codes 23412 and 23413) <sup>2 3</sup> .....	623.6	405.2	3
22540	Knit underwear mills, n.s.k. ....	(D)	(D)	(X)

See footnotes at end of table.

## 2-8 VALUE OF PRODUCT SHIPMENTS

## ANNUAL SURVEY OF MANUFACTURES

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>22</b>	<b>TEXTILE MILL PRODUCTS—Con.</b>			
<b>2257—</b>	<b>Weft knit fabrics mills</b> .....	<b>5 000.7</b>	<b>4 950.3</b>	<b>1</b>
22571	Weft (circular) knit fabrics greige goods, except hosiery .....	1 230.3	1 278.4	2
22573	Finished weft (circular) knit fabrics, except hosiery .....	3 001.7	2 940.6	1
22579	Contract and commission receipts for knitting only or knitting and finishing weft (circular) knit fabrics .....	574.9	622.5	6
22570	Weft knit fabrics mills, n.s.k. ....	193.8	108.8	1
<b>2258—</b>	<b>Warp knit fabrics mills and lace goods</b> .....	<b>2 468.4</b>	<b>2 461.6</b>	<b>3</b>
22581	Warp knit fabrics greige goods .....	401.3	454.3	4
22584	Finished warp knit fabrics .....	1 715.5	1 651.9	4
22585	Lace and net goods .....	52.8	55.7	10
22589	Contract and commission receipts for knitting only or knitting and finishing of warp knit fabrics, or finishing lace .....	187.9	256.0	19
22580	Warp knit fabrics mills and lace goods, n.s.k. ....	110.9	43.7	1
<b>2259—</b>	<b>Knitting mills, n.e.c.</b> .....	<b>218.5</b>	<b>236.4</b>	<b>6</b>
22590	Knit gloves and other knit products (made in knitting mills) <sup>3</sup> .....	218.5	236.4	6
<b>2261—</b>	<b>Finishing plants, cotton</b> .....	<b>3 102.6</b>	<b>2 729.6</b>	<b>1</b>
22617	Finished cotton broadwoven fabrics (not finished in weaving mills) (see also code 2211F) <sup>2</sup> .....	2 149.7	1 866.8	1
22619	Job or commission finishing of cotton broadwoven fabrics .....	923.1	857.1	1
22610	Finishing plants, cotton, n.s.k. ....	29.8	5.8	7
<b>2262—</b>	<b>Finishing plants, manmade fiber and silk</b> .....	<b>3 196.5</b>	<b>3 251.1</b>	<b>1</b>
22628	Finished manmade fiber and silk broadwoven fabrics (not finished in weaving mills) (see also code 2221J) <sup>2</sup> .....	1 910.4	1 967.0	1
22629	Job or commission finishing of manmade fiber and silk broadwoven fabrics .....	1 255.6	1 277.3	2
22620	Finishing plants, manmade fiber and silk, n.s.k. ....	30.6	6.9	3
<b>2269—</b>	<b>Finishing plants, n.e.c.</b> .....	<b>1 172.7</b>	<b>1 075.1</b>	<b>2</b>
22690	Finished yarn, raw stock, and narrow fabrics (except knit and wool) .....	1 172.7	1 075.1	2
<b>2273—</b>	<b>Carpets and rugs</b> .....	<b>9 948.4</b>	<b>9 514.2</b>	<b>1</b>
22731	Woven carpets and rugs <sup>3</sup> .....	280.9	285.1	1
22732	Tufted carpets and rugs <sup>3</sup> .....	9 145.6	8 801.6	1
22733	Carpets and rugs, n.e.c. <sup>3</sup> .....	354.1	331.2	6
22730	Carpets and rugs, n.s.k. ....	167.9	96.3	1
<b>2281—</b>	<b>Yarn spinning mills<sup>4</sup></b> .....	<b>7 695.5</b>	<b>7 755.1</b>	<b>1</b>
22811	Carded cotton yarns .....	2 866.9	2 761.3	2
22812	Combed cotton yarns .....	596.8	627.3	1
22813	Rayon and/or acetate spun yarns .....	279.0	247.7	1
22814	Spun noncellulosic fiber and silk yarns .....	3 644.6	3 824.2	2
22815	Wool yarns .....	264.4	257.8	6
22810	Yarn spinning mills, n.s.k. ....	43.8	36.9	1
<b>2282—</b>	<b>Yarn throwing and winding mills</b> .....	<b>3 282.9</b>	<b>3 025.8</b>	<b>1</b>
22822	Rewound, plied, etc., yarns (not spun at the same establishment) .....	211.4	173.9	1
22823	Thrown filament yarns, except textured .....	371.4	332.7	2
22825	Textured, crimped, or bulked filament yarns, including stretch yarn (made from purchased filament yarn) .....	2 550.9	2 376.8	1
22829	Commission throwing, plying, etc., of yarns .....	115.5	131.8	1
22820	Yarn throwing and winding mills, n.s.k. ....	33.6	10.6	1
<b>2284—</b>	<b>Thread mills</b> .....	<b>887.2</b>	<b>832.6</b>	<b>3</b>
22840	Thread .....	887.2	832.6	3
<b>2295—</b>	<b>Coated fabrics, not rubberized</b> .....	<b>1 652.3</b>	<b>1 435.5</b>	<b>4</b>
22952	Vinyl coated fabrics, including expanded vinyl coated .....	718.7	614.1	8
22953	Other coated or laminated fabrics and coated yarns .....	793.9	731.4	4
22950	Coated fabrics, not rubberized, n.s.k. ....	139.7	90.1	7
<b>2296—</b>	<b>Tire cord and tire cord fabrics</b> .....	<b>782.1</b>	<b>928.0</b>	<b>1</b>
22960	Tire cord and tire cord fabrics .....	782.1	928.0	1
<b>2297—</b>	<b>Nonwoven fabrics</b> .....	<b>3 584.4</b>	<b>3 285.3</b>	<b>1</b>
22971	Nonwoven fabrics .....	2 734.9	2 471.3	1
22972	Fabricated nonwoven products .....	784.8	754.5	4
22970	Nonwoven fabrics, n.s.k. ....	64.7	59.5	1
<b>2298—</b>	<b>Cordage and twine</b> .....	<b>612.7</b>	<b>624.9</b>	<b>2</b>
22981	Hard fiber cordage and twine .....	108.5	119.0	7
22982	Soft fiber cordage and twine (except cotton) .....	355.3	356.9	2
22983	Cotton cordage and twine .....	79.0	74.0	8
22980	Cordage and twine, n.s.k. ....	69.9	75.0	1
<b>2299—</b>	<b>Textile goods, n.e.c.</b> .....	<b>1 986.6</b>	<b>1 841.8</b>	<b>1</b>
22991	Pressed, punched, or needled felts, except hats .....	655.1	635.9	1
22994	Recovered fibers, processed mill waste and related products .....	300.3	292.6	3
22995	Paddings and upholstery filling, batting, and wadding (excluding foam rubber and plastics) .....	560.2	534.4	3
22996	Jute goods and scouring and combing mill products .....	192.2	174.7	1
22990	Textile goods, n.e.c., n.s.k. ....	278.7	204.1	3
<b>23</b>	<b>APPAREL AND OTHER TEXTILE PRODUCTS</b>			
<b>2311—</b>	<b>Men's and boys' suits and coats</b> .....	<b>2 249.7</b>	<b>2 380.0</b>	<b>2</b>
23115	Suits, including uniform <sup>3</sup> .....	1 041.0	1 165.2	3
23116	Overcoats, topcoats, and tailored car and suburban coats (including uniform and wool water-repellent), excluding raincoats <sup>3</sup> .....	65.2	54.9	6
23117	Tailored dress and sport coats (including uniform) and tailored vests <sup>3</sup> .....	825.1	856.5	2
23119	Receipts for contract and commission work on men's and boys' suits and tailored coats and jackets .....	289.7	281.2	7
23110	Men's and boys' suits and coats, n.s.k. ....	28.8	22.2	1
<b>2321—</b>	<b>Men's and boys' shirts, except work shirts</b> .....	<b>4 621.1</b>	<b>5 311.1</b>	<b>2</b>
23213	Men's and boys' knit shirts (including polo, sweat, tank-tops, T-shirts for outerwear, etc.) (see also code 2253A) <sup>2 3</sup> .....	2 899.8	3 545.7	2
23216	Men's and boys' woven dress and sport shirts (including uniform) <sup>3</sup> .....	1 116.9	1 109.4	2
23219	Receipts for contract and commission work on men's and boys' shirts, except work shirts .....	553.8	603.7	4
23210	Men's and boys' shirts, n.s.k. ....	50.6	52.2	1

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>23</b>	<b>APPAREL AND OTHER TEXTILE PRODUCTS—Con.</b>			
<b>2322—</b>	<b>Men's and boys' underwear and nightwear</b> -----	<b>688.8</b>	<b>808.0</b>	<b>3</b>
23221	Men's and boys' underwear (see also codes 22541 and 23222) <sup>2 3</sup> -----	501.5	625.5	3
23222	Men's and boys' nightwear (see also codes 22541 and 23221) <sup>2 3</sup> -----	106.7	117.7	10
23229	Receipts for contract and commission work on men's and boys' underwear and nightwear -----			
23220	Men's and boys' underwear and nightwear, n.s.k. -----	56.4	58.3	21
		24.2	6.5	13
<b>2323—</b>	<b>Men's and boys' neckwear</b> -----	<b>531.9</b>	<b>539.9</b>	<b>3</b>
23230	Men's and boys' neckwear -----	531.9	539.9	3
<b>2325—</b>	<b>Men's and boys' trousers and slacks</b> -----	<b>6 341.4</b>	<b>6 058.3</b>	<b>2</b>
23251	Men's and boys' separate dress and sport trousers, pants, and slacks <sup>3</sup> -----	1 565.7	1 545.9	2
23252	Men's and boys' jeans (including jean-cut casual slacks) <sup>3</sup> -----	4 041.1	3 863.0	2
23259	Receipts for contract and commission work on men's and boys' trousers and slacks -----			
23250	Men's and boys' trousers and slacks, n.s.k. -----	711.7	628.3	8
		22.8	21.2	1
<b>2326—</b>	<b>Men's and boys' work clothing</b> -----	<b>1 640.3</b>	<b>1 515.6</b>	<b>4</b>
23261	Men's and boys' work shirts <sup>3</sup> -----	477.9	391.5	10
23262	Men's and boys' work clothing and washable service apparel <sup>3</sup> -----	1 088.1	980.8	4
23269	Receipts for contract and commission work on men's and boys' work clothing -----			
23260	Men's and boys' work clothing, n.s.k. -----	56.2	122.1	6
		18.1	21.2	1
<b>2329—</b>	<b>Men's and boys' clothing, n.e.c.</b> -----	<b>2 802.4</b>	<b>2 619.2</b>	<b>1</b>
23291	Men's and boys' heavy nontailored outerwear coats, jackets, and vests, except ski wear <sup>3</sup> -----	600.8	594.7	3
23293	Men's and boys' other outerwear made from purchased fabrics <sup>3</sup> -----	1 589.5	1 469.1	2
23299	Receipts for contract and commission work on men's and boys' outerwear, n.e.c. -----			
23290	Men's and boys' clothing, n.e.c., n.s.k. -----	541.3	476.9	2
		70.8	78.6	3
<b>2331—</b>	<b>Women's, misses', and juniors' shirts and blouses</b> -----	<b>4 572.7</b>	<b>4 190.6</b>	<b>4</b>
23313	Women's, misses', and juniors' knit shirts and blouses (see also code 2253B) <sup>2 3</sup> -----	1 661.7	1 485.9	4
23314	Women's, misses', and juniors' woven shirts and blouses <sup>3</sup> -----	2 140.1	1 859.9	8
23319	Receipts for contract and commission work on women's, misses', and juniors' shirts and blouses -----			
23310	Women's, misses', and juniors' shirts and blouses, n.s.k. -----	653.6	730.0	3
		117.3	114.8	1
<b>2335—</b>	<b>Women's, misses', and juniors' dresses</b> -----	<b>5 426.7</b>	<b>5 205.6</b>	<b>4</b>
23353	Women's, misses', and juniors' dresses <sup>3</sup> -----	4 016.1	3 928.3	6
23359	Receipts for contract and commission work on women's, misses', and juniors' dresses -----			
23350	Women's, misses', and juniors' dresses, n.s.k. -----	1 100.1	1 005.8	4
		310.5	271.6	1
<b>2337—</b>	<b>Women's, misses', and juniors' suits, skirts, and coats</b> -----	<b>4 240.4</b>	<b>4 055.8</b>	<b>3</b>
23371	Women's, misses', and juniors' coats and capes (except fur, leather, down, and ski) <sup>3</sup> -----	584.7	540.6	3
23372	Women's, misses', and juniors' suits <sup>3</sup> -----	407.4	336.6	5
23374	Women's, misses', and juniors' skirts, tailored jackets, and vests <sup>3</sup> -----	2 623.6	2 575.1	4
23379	Receipts for contract and commission work on women's, misses', and juniors' coats, suits, skirts, and jackets -----			
23370	Women's, misses', and juniors' suits, skirts, and coats, n.s.k. -----	578.2	575.7	4
		46.5	27.9	4
<b>2339—</b>	<b>Women's, misses', and juniors' outerwear, n.e.c.</b> -----	<b>7 976.4</b>	<b>7 155.4</b>	<b>2</b>
23392	Women's, misses', and juniors' washable service apparel <sup>3</sup> -----	250.9	264.6	2
23394	Women's, misses', and juniors' bathing suits <sup>3</sup> -----	585.9	584.5	2
23395	Women's, misses', and juniors' slacks (including jeans and jean-cut casual slacks) <sup>3</sup> -----	3 971.5	3 418.8	2
23397	Women's, misses', and juniors' outerwear, n.e.c. <sup>3</sup> -----	1 302.8	1 389.5	5
23399	Receipts for contract and commission work on women's, misses', and juniors' outerwear, n.e.c. -----			
23390	Women's, misses', and juniors' outerwear, n.e.c., n.s.k. -----	1 477.5	1 186.9	7
		387.8	311.0	1
<b>2341—</b>	<b>Women's, children's, and infants' underwear and nightwear</b> -----	<b>1 927.5</b>	<b>2 232.1</b>	<b>2</b>
23412	Women's, children's, and infants' underwear (see also codes 22544 and 23413) <sup>2 3</sup> -----	693.7	997.0	2
23413	Women's, children's, and infants' nightwear (see also codes 22544 and 23412) <sup>2 3</sup> -----	898.4	955.7	4
23419	Receipts for contract and commission work on women's and children's underwear and nightwear -----			
23410	Women's, children's, and infants' underwear and nightwear, n.s.k. -----	272.0	240.4	1
		63.4	39.0	2
<b>2342—</b>	<b>Brassieres, girdles, and allied garments</b> -----	<b>1 662.2</b>	<b>1 587.6</b>	<b>1</b>
23421	Brassieres <sup>3</sup> -----	1 265.1	1 185.3	1
23422	Corsets, girdles, combinations, and accessories <sup>3</sup> -----	307.9	335.2	2
23429	Receipts for contract and commission work on brassieres, corsets, and allied garments -----			
23420	Brassieres, girdles, and allied garments, n.s.k. -----	18.9	22.3	1
		70.3	44.7	15
<b>2353—</b>	<b>Hats, caps, and millinery</b> -----	<b>939.2</b>	<b>867.1</b>	<b>8</b>
23531	Hats and hat bodies, except cloth and millinery -----	248.9	178.6	20
23532	Cloth hats and caps -----	505.1	489.9	9
23533	Millinery (women's, children's, and infants' trimmed hats made from hat bodies or other millinery materials) -----			
23530	Hats, caps, and millinery, n.s.k. -----	94.9	94.6	4
		90.3	103.9	2
<b>2361—</b>	<b>Girls', children's, and infants' dresses, blouses, and shirts</b> -----	<b>1 630.1</b>	<b>1 726.2</b>	<b>5</b>
23613	Girls', children's, and infants' knit blouses and shirts (see also code 2253C) <sup>2 3</sup> -----	619.3	635.0	2
23614	Girls', children's, and infants' woven blouses and shirts <sup>3</sup> -----	229.4	218.5	3
23615	Girls', children's, and infants' dresses <sup>3</sup> -----	594.9	615.1	4
23619	Receipts for contract and commission work on girls', children's, and infants' dresses, blouses, and shirts -----			
23610	Girls', children's, and infants' dresses, blouses, and shirts, n.s.k. -----	151.1	229.4	43
		35.4	28.3	1
<b>2369—</b>	<b>Girls', children's, and infants' other outerwear, n.e.c.</b> -----	<b>1 826.9</b>	<b>1 789.7</b>	<b>4</b>
23692	Girls', children's, and infants' coats, jackets, suits, snowsuits, and coat-and-legging sets <sup>3</sup> -----	93.5	105.1	22
23693	Girls', children's, and infants' play garments and sweaters <sup>3</sup> -----	1 501.3	1 460.3	5
23699	Receipts for contract and commission work on girls', children's, and infants' outerwear, n.e.c. -----			
23690	Girls', children's, and infants' other outerwear, n.e.c., n.s.k. -----	197.6	189.1	14
		34.6	35.2	1

See footnotes at end of table.

## 2-10 VALUE OF PRODUCT SHIPMENTS

## ANNUAL SURVEY OF MANUFACTURES

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>23</b>	<b>APPAREL AND OTHER TEXTILE PRODUCTS—Con.</b>			
<b>2371—</b> 23710	<b>Fur goods</b> ----- Fur goods -----	<b>187.5</b> 187.5	<b>199.4</b> 199.4	<b>4</b> 4
<b>2381—</b> 23813 23814 23810	<b>Dress and work gloves and mittens</b> ----- Gloves and mittens made from purchased fabrics <sup>3</sup> ----- Gloves and mittens made from leather-and-fabrics combinations <sup>3</sup> ----- Dress and work gloves and mittens, n.s.k. -----	<b>230.6</b> 198.7 24.1 7.8	<b>210.7</b> 184.3 22.2 4.2	<b>23</b> 25 83 6
<b>2384—</b> 23840	<b>Robes and dressing gowns</b> ----- Robes and dressing gowns (including brunch coats and housecoats) -----	<b>380.0</b> 380.0	<b>386.0</b> 386.0	<b>7</b> 7
<b>2385—</b> 23851 23859  23850	<b>Waterproof outerwear</b> ----- Raincoats and other waterproof outer garments ----- Receipts for contract and commission work on raincoats and other waterproof outer garments ----- Waterproof outerwear, n.s.k. -----	<b>203.2</b> 177.8  18.9 6.5	<b>246.5</b> 223.5  20.4 2.7	<b>2</b> 2  1 1
<b>2386—</b> 23860	<b>Leather and sheep-lined clothing</b> ----- Leather and sheep-lined clothing -----	<b>215.6</b> 215.6	<b>199.0</b> 199.0	<b>3</b> 3
<b>2387—</b> 23871 23872 23870	<b>Apparel belts</b> ----- Leather belts ----- Belts other than leather ----- Apparel belts, n.s.k. -----	<b>523.7</b> 340.4 111.9 71.4	<b>547.9</b> 348.2 164.7 35.1	<b>4</b> 3 14 9
<b>2389—</b> 23890	<b>Apparel and accessories, n.e.c.</b> ----- Apparel, n.e.c. -----	<b>544.5</b> 544.5	<b>476.6</b> 476.6	<b>4</b> 4
<b>2391—</b> 23910	<b>Curtains and draperies</b> ----- Curtains and draperies (not made in weaving mills) -----	<b>1 236.6</b> 1 236.6	<b>1 183.0</b> 1 183.0	<b>4</b> 4
<b>2392—</b> 23921 23922  23923 23924 23920	<b>Housefurnishings, n.e.c.</b> ----- Bedspreads and bedsets (not made in weaving mills) <sup>3</sup> ----- Sheets and pillowcases (not made in weaving mills) (see also code 2221K) <sup>2 3</sup> ----- Towels and/or washcloths (not made in weaving mills) (see also code 2211G) <sup>2 3</sup> ----- Other housefurnishings (not made in weaving mills) ----- Housefurnishings, n.e.c., n.s.k. -----	<b>5 750.4</b> 406.5  1 008.4 555.0 3 436.9 343.6	<b>5 354.5</b> 442.6  1 001.8 611.4 3 109.4 189.3	<b>1</b> 2  1 2 3 10
<b>2393—</b> 23930	<b>Textile bags</b> ----- Textile bags (except laundry, wardrobe, and shoe) -----	<b>704.6</b> 704.6	<b>734.0</b> 734.0	<b>4</b> 4
<b>2394—</b> 23940	<b>Canvas and related products</b> ----- Canvas and related products (made from cotton, nylon, polyester, and other industrial fabrics) -----	<b>1 246.5</b> 1 246.5	<b>1 051.4</b> 1 051.4	<b>13</b> 13
<b>2395—</b> 23952 23958 23950	<b>Pleating and stitching</b> ----- Embroideries (except Schiffli machine products) ----- Receipts for commission work on materials owned by others ----- Pleating and stitching, n.s.k. -----	<b>739.7</b> 350.8 183.1 205.8	<b>786.2</b> 412.3 191.1 182.8	<b>3</b> 4 9 2
<b>2396—</b> 23961  23962 23963 23964  23960	<b>Automotive trimmings, apparel findings, and related products</b> ----- Mens' and boys' suit and coat findings, hatters' fur, and other hat and cap materials ----- Automobile trimmings ----- Other trimmings and findings ----- Printing on garments and apparel accessories (including silk screen printing) and stamped art goods ----- Automotive trimmings, apparel findings, and related products, n.s.k. -----	<b>6 301.3</b> 235.9 2 906.5 601.9 2 085.5 471.5	<b>5 811.5</b> 229.0 2 547.7 649.7 2 177.4 207.7	<b>2</b> 10 4 2 3 4
<b>2397—</b> 23970	<b>Schiffli machine embroideries</b> ----- Schiffli machine embroideries -----	<b>260.4</b> 260.4	<b>250.7</b> 250.7	<b>6</b> 6
<b>2399—</b> 23990	<b>Fabricated textile products, n.e.c.</b> ----- Fabricated textile products, n.e.c. -----	<b>3 365.8</b> 3 365.8	<b>3 029.2</b> 3 029.2	<b>3</b> 3
<b>24</b>	<b>LUMBER AND WOOD PRODUCTS</b>			
<b>2411—</b> 24111 24112 24113 24114 24119 24110	<b>Logging</b> ----- Softwood logs, bolts, and timber ----- Hardwood logs, bolts, and timber ----- Pulpwood ----- Other roundwood products ----- Receipts for contract logging ----- Logging, n.s.k. -----	<b>15 707.1</b> 5 254.9 545.3 980.2 468.7 2 218.1 6 239.8	<b>13 235.4</b> 4 527.2 530.4 1 001.1 470.7 2 431.0 4 274.9	<b>1</b> 2 3 2 7 4 1
<b>2421—</b> 24211 24212 24215 24217 24218  24219 24210	<b>Sawmills and planing mills, general</b> ----- Hardwood lumber, rough and dressed, except siding ----- Softwood lumber, rough and dressed, except siding ----- Wood chips, except field chips ----- Softwood cut stock ----- Softwood flooring, siding, and other general sawmill and planing mill products ----- Receipts from contract or custom sawing, kiln drying, planing, etc. ----- Sawmills and planing mills, general, n.s.k. -----	<b>23 690.9</b> 3 602.9 13 838.3 2 634.5 819.0 285.0 166.3 2 344.8	<b>20 449.2</b> 3 067.7 11 535.4 2 577.4 670.3 282.2 161.2 2 155.1	<b>1</b> 3 1 2 4 5 6 1
<b>2426—</b> 24261 24262 24266 24260	<b>Hardwood dimension and flooring mills</b> ----- Hardwood flooring ----- Hardwood dimension stock, furniture parts, and vehicle stock ----- Wood furniture frames for household furniture ----- Hardwood dimension and flooring mills, n.s.k. -----	<b>2 467.1</b> 798.1 928.1 299.1 441.7	<b>1 964.2</b> 656.5 762.6 272.8 272.3	<b>4</b> 1 5 5 15
<b>2429—</b> 24290	<b>Special product sawmills, n.e.c.</b> ----- Shingles, shakes, cooperage stock, and excelsior -----	<b>169.8</b> 169.8	<b>138.9</b> 138.9	<b>25</b> 25

See footnotes at end of table.



Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>24</b>	<b>LUMBER AND WOOD PRODUCTS—Con.</b>			
<b>2431—</b>	<b>Millwork</b> .....	<b>10 320.0</b>	<b>9 183.6</b>	<b>1</b>
24311	Wood window units .....	2 385.8	2 377.7	1
24312	Wood sash, excluding window units .....	140.1	131.7	3
24313	Wood window and door frames, and door frames shipped in door units .....	550.0	448.2	3
24314	Wood doors, interior and exterior, including those with glazed sections .....	1 847.9	1 505.4	3
24315	Other wood doors, including garage, screen, storm, etc. ....	964.0	970.9	3
24316	Wood moldings except prefinished moldings made from purchased moldings .....	1 399.3	1 126.7	3
24317	Prefinished wood moldings made from purchased moldings .....	207.6	151.2	16
24318	Other millwork products, including stairwork and exterior millwork .....	996.7	979.0	4
24310	Millwork, n.s.k. ....	1 828.7	1 492.7	2
<b>2434—</b>	<b>Wood kitchen cabinets</b> .....	<b>5 183.5</b>	<b>4 763.7</b>	<b>2</b>
24341	Wood kitchen cabinets and cabinetwork, stock line .....	2 113.5	1 925.3	1
24342	Wood kitchen cabinets and cabinetwork, custom .....	1 369.3	1 361.9	4
24343	Vanities and other cabinetwork .....	535.7	505.4	6
24340	Wood kitchen cabinets, n.s.k. ....	1 164.8	971.1	3
<b>2435—</b>	<b>Hardwood veneer and plywood</b> .....	<b>2 331.6</b>	<b>2 027.6</b>	<b>2</b>
24351	Hardwood plywood .....	758.8	677.0	2
24352	Prefinished hardwood plywood made from purchased plywood .....	206.9	189.5	1
24353	Hardwood plywood type products .....	550.6	477.3	4
24354	Hardwood veneer, not reinforced or backed .....	587.2	589.2	3
24350	Hardwood veneer and plywood, n.s.k. ....	228.1	94.6	2
<b>2436—</b>	<b>Softwood veneer and plywood</b> .....	<b>5 321.1</b>	<b>4 752.8</b>	<b>1</b>
24363	Softwood plywood type products .....	137.3	132.0	4
24364	Softwood veneer, not reinforced or backed .....	736.6	597.5	3
24365	Softwood plywood, rough, including touch sanded, interior and exterior .....	3 016.3	2 709.6	1
24366	Softwood plywood, sanded .....	828.5	786.4	1
24367	Softwood plywood specialties .....	534.6	468.9	1
24360	Softwood veneer and plywood, n.s.k. ....	67.8	58.4	10
<b>2439—</b>	<b>Structural wood members, n.e.c.</b> .....	<b>2 832.9</b>	<b>2 334.6</b>	<b>2</b>
24390	Fabricated structural wood products .....	2 832.9	2 334.6	2
<b>2441—</b>	<b>Nailed wood boxes and shook</b> .....	<b>422.3</b>	<b>421.1</b>	<b>9</b>
24411	Nailed or lock-corner wooden boxes .....	148.7	126.6	24
24412	Wooden box and crate shook .....	208.2	229.5	6
24410	Nailed wood boxes and shook, n.s.k. ....	65.3	65.0	2
<b>2448—</b>	<b>Wood pallets and skids</b> .....	<b>2 321.0</b>	<b>2 020.2</b>	<b>2</b>
24480	Pallets and skids .....	2 321.0	2 020.2	2
<b>2449—</b>	<b>Wood containers, n.e.c.</b> .....	<b>354.5</b>	<b>324.8</b>	<b>3</b>
24490	Wood containers, n.e.c. ....	354.5	324.8	3
<b>2451—</b>	<b>Mobile homes</b> .....	<b>5 789.5</b>	<b>4 472.1</b>	<b>3</b>
24511	Manufactured (mobile) homes (35 feet or more in length) .....	5 201.8	3 976.4	4
24512	Manufactured (mobile) buildings, nonresidential .....	137.5	130.1	10
24510	Mobile homes, n.s.k. ....	450.3	365.6	4
<b>2452—</b>	<b>Prefabricated wood buildings</b> .....	<b>2 239.2</b>	<b>2 064.2</b>	<b>2</b>
24521	Components for stationary buildings (not sold as complete units) .....	242.0	212.3	4
24522	Precut packages for stationary buildings (complete units) .....	401.9	406.3	4
24523	Stationary buildings sold as complete units and shipped in panel form .....	366.8	355.5	3
24524	Stationary buildings shipped in three-dimensional assemblies .....	833.3	737.8	3
24520	Prefabricated wood buildings, n.s.k. ....	395.2	352.3	1
<b>2491—</b>	<b>Wood preserving</b> .....	<b>2 967.3</b>	<b>2 608.5</b>	<b>3</b>
24912	Wood poles, piles, and posts owned and treated by same establishment .....	597.1	540.4	6
24913	Other wood products owned and treated by same establishment .....	1 945.1	1 723.5	4
24919	Contract wood preserving .....	110.5	122.6	7
24910	Wood preserving, n.s.k. ....	314.7	221.9	6
<b>2493—</b>	<b>Reconstituted wood products</b> .....	<b>4 652.3</b>	<b>3 979.6</b>	<b>1</b>
24931	Particleboard, produced at this location .....	1 172.1	950.0	1
24932	Waferboard and oriented strand board .....	1 309.2	1 131.6	1
24933	Medium density fiberboard (MDF) produced at this location .....	444.1	383.4	3
24934	Hardboard products made from hardboard produced at this location .....	782.1	682.1	1
24935	Cellulosic fiberboard (insulating board) .....	122.5	104.3	1
24936	Hardboard products made from purchased hardboard .....	198.1	174.1	4
24937	Prefinished particleboard and medium density fiberboard (MDF) made from purchased particleboard and MDF .....	485.1	434.6	3
24930	Reconstituted wood products, n.s.k. ....	139.2	119.5	4
<b>2499—</b>	<b>Wood products, n.e.c.</b> .....	<b>3 945.8</b>	<b>3 516.0</b>	<b>3</b>
24991	Mirror and picture frames .....	929.4	814.5	7
24992	Cork and cork products .....	56.2	68.4	21
24994	Miscellaneous wood products .....	2 141.8	2 001.5	3
24990	Wood products, n.e.c., n.s.k. ....	818.4	631.6	5
<b>25</b>	<b>FURNITURE AND FIXTURES</b>			
<b>2511—</b>	<b>Wood household furniture</b> .....	<b>8 400.1</b>	<b>7 976.4</b>	<b>2</b>
25112	Wood living room, library, family room, and den furniture .....	1 670.2	1 620.8	5
25113	Wood dining room and kitchen furniture, except kitchen cabinets .....	1 581.4	1 587.6	2
25115	Wood bedroom furniture .....	2 682.9	2 478.3	1
25116	Infants' and children's wood furniture .....	367.5	316.2	12
25117	Wood outdoor furniture, unpainted wood furniture, and ready-to-assemble wood furniture .....	1 086.6	1 082.2	1
25110	Wood household furniture, n.s.k. ....	1 011.5	891.2	2
<b>2512—</b>	<b>Upholstered household furniture</b> .....	<b>6 216.4</b>	<b>5 802.6</b>	<b>1</b>
25120	Upholstered wood household furniture, except dual-purpose sleep furniture .....	6 216.4	5 802.6	1
<b>2514—</b>	<b>Metal household furniture</b> .....	<b>2 054.9</b>	<b>1 917.3</b>	<b>2</b>
25145	Metal household dining room and kitchen furniture .....	427.6	380.0	4
25146	Metal porch, lawn, outdoor, and casual furniture .....	584.7	625.0	4
25147	Other metal household furniture .....	787.2	707.9	2
25140	Metal household furniture, n.s.k. ....	255.5	204.4	5

See footnotes at end of table.

## 2-12 VALUE OF PRODUCT SHIPMENTS

## ANNUAL SURVEY OF MANUFACTURES

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>25</b>	<b>FURNITURE AND FIXTURES—Con.</b>			
<b>2515—</b>	<b>Mattresses, foundations, and convertible beds</b> .....	<b>3 300.7</b>	<b>3 098.2</b>	<b>3</b>
25151	Innerspring mattresses, excluding crib-size .....	1 296.7	1 174.9	7
25152	Other mattresses, including crib mattresses and mattress inserts .....	232.0	204.1	13
25153	Foundations, excluding innerspring units and those incorporated into hybrid-type flotation and adjustable ensembles .....	681.4	684.1	3
25155	Dual-purpose sleep furniture .....	521.6	500.7	4
25156	Sleep system ensembles, excluding conventional water beds .....	160.8	131.6	15
25150	Mattresses, foundations, and convertible beds, n.s.k. ....	408.1	402.9	4
<b>2517—</b>	<b>Wood television and radio cabinets</b> .....	<b>446.4</b>	<b>383.2</b>	<b>5</b>
25170	Wood television, radio, stereo, and sewing machine cabinets .....	446.4	383.2	5
<b>2519—</b>	<b>Household furniture, n.e.c.</b> .....	<b>873.5</b>	<b>483.3</b>	<b>2</b>
25190	Household furniture, except wood or metal .....	873.5	483.3	2
<b>2521—</b>	<b>Wood office furniture</b> .....	<b>2 088.6</b>	<b>1 947.2</b>	<b>4</b>
25210	Wood office furniture .....	2 088.6	1 947.2	4
<b>2522—</b>	<b>Office furniture, except wood</b> .....	<b>5 807.8</b>	<b>5 760.4</b>	<b>3</b>
25221	Office seating, including upholstered, except wood .....	1 436.9	1 425.2	1
25225	Office desks and extensions, except wood .....	387.7	373.6	13
25226	Office storage units, files, and tables, except wood .....	1 488.3	1 506.5	5
25227	Office panel and modular systems furniture and all other nonwood office furniture, n.e.c. ....	2 321.8	2 314.7	4
25220	Office furniture, except wood, n.s.k. ....	173.0	140.5	5
<b>2531—</b>	<b>Public building and related furniture</b> .....	<b>4 945.9</b>	<b>4 101.1</b>	<b>3</b>
25311	School furniture, except stone and concrete (excluding library furniture) .....	494.8	482.7	4
25312	Public building and related furniture (except school and restaurant furniture), and vehicle and aircraft seats .....	4 238.0	3 429.7	4
25310	Public building and related furniture, n.s.k. ....	213.1	188.7	13
<b>2541—</b>	<b>Wood partitions and fixtures</b> .....	<b>3 241.1</b>	<b>3 107.5</b>	<b>3</b>
25411	Wood partitions, shelving, and lockers .....	210.2	239.7	9
25412	Plastics laminated fixture tops .....	704.4	556.4	11
25413	Wood fixtures for stores, banks, and offices, and other miscellaneous fixtures .....	1 632.2	1 655.5	3
25410	Wood partitions and fixtures, n.s.k. ....	694.3	656.0	2
<b>2542—</b>	<b>Partitions and fixtures, except wood</b> .....	<b>3 505.6</b>	<b>3 214.1</b>	<b>4</b>
25421	Partitions, prefabricated (assembled or knocked-down), except wood .....	256.2	219.9	2
25422	Shelving and lockers, except wood .....	744.1	739.2	3
25423	Storage racks and accessories, except wood .....	692.8	647.9	7
25424	Fixtures for stores, banks, and offices, and miscellaneous fixtures, except wood .....	1 411.4	1 279.3	7
25420	Partitions and fixtures, except wood, n.s.k. ....	401.0	327.9	6
<b>2591—</b>	<b>Drapery hardware and blinds and shades</b> .....	<b>1 823.5</b>	<b>1 808.3</b>	<b>3</b>
25913	Window shades and accessories .....	291.2	287.7	6
25914	Venetian blinds .....	778.6	891.8	5
25915	Other shades and blinds, n.e.c., and curtain and drapery rods, poles, and fixtures .....	465.3	395.4	6
25910	Drapery hardware and blinds and shades, n.s.k. ....	288.5	233.4	1
<b>2599—</b>	<b>Furniture and fixtures, n.e.c.</b> .....	<b>2 357.4</b>	<b>2 095.9</b>	<b>3</b>
25991	Hospital beds .....	435.4	372.4	1
25992	Restaurant, cafeteria, and bar furniture and fixtures .....	944.9	912.3	4
25994	All other furniture and fixtures, n.e.c. ....	409.5	380.4	12
25990	Furniture and fixtures, n.e.c., n.s.k. ....	567.6	430.9	3
<b>26</b>	<b>PAPER AND ALLIED PRODUCTS</b>			
<b>2611—</b>	<b>Pulp mills</b> .....	<b>5 036.2</b>	<b>6 103.9</b>	<b>1</b>
26111	Special alpha and dissolving woodpulp .....	819.4	921.5	1
26113	Sulfate woodpulp, including soda .....	3 424.6	4 411.6	1
26114	Sulfite and other woodpulp .....	246.9	280.4	1
26115	Pulp, other than wood, and pulp mill byproducts, n.e.c. ....	542.7	490.3	7
26110	Pulp mills, n.s.k. ....	2.6	—	7
<b>2621—</b>	<b>Paper mills</b> .....	<b>30 805.5</b>	<b>30 858.6</b>	<b>1</b>
26211	Newsprint .....	2 927.2	2 924.9	1
26212	Uncoated groundwood paper (containing more than 10 percent mechanical fiber) .....	837.3	823.0	1
26213	Clay coated printing and converting paper .....	7 478.6	7 509.8	1
26214	Uncoated freesheet (containing not more than 10 percent mechanical fiber) .....	8 994.2	8 693.2	1
26215	Bleached bristols (weight more than 150 g/ m2), excluding cotton fiber index and bogus .....	1 142.2	1 153.7	1
26216	Cotton fiber paper and thin paper .....	732.7	804.6	1
26217	Unbleached kraft (not less than 80 percent) packaging and industrial converting paper .....	1 175.8	1 299.2	1
26218	Packaging and industrial converting papers, except unbleached kraft .....	1 122.8	950.9	1
26219	Special industrial paper, except specialty packaging .....	1 348.0	1 458.9	1
2621A	Tissue paper and other machine-creped paper .....	4 812.2	5 024.7	3
2621B	Construction paper .....	157.1	159.0	2
26210	Paper mills, n.s.k. ....	77.3	56.9	1
<b>2631—</b>	<b>Paperboard mills</b> .....	<b>15 785.3</b>	<b>16 373.0</b>	<b>1</b>
26311	Unbleached kraft packaging and industrial converting paperboard (80 percent or more virgin woodpulp) .....	6 788.0	7 438.6	1
26312	Bleached packaging and industrial converting paperboard (80 percent or more virgin pulp) .....	3 278.5	3 341.9	1
26313	Semichemical paperboard, including corrugating medium .....	1 221.9	1 216.6	1
26314	Recycled paperboard .....	4 362.6	4 261.1	1
26318	Wet machine board .....	82.5	81.4	2
26310	Paperboard mills, n.s.k. ....	51.8	33.3	1
<b>2652—</b>	<b>Setup paperboard boxes</b> .....	<b>500.6</b>	<b>532.1</b>	<b>8</b>
26520	Setup (rigid) paperboard boxes .....	500.6	532.1	8
<b>2653—</b>	<b>Corrugated and solid fiber boxes</b> .....	<b>19 841.1</b>	<b>19 098.0</b>	<b>1</b>
26530	Corrugated and solid fiber boxes, including pallets .....	19 841.1	19 098.0	1

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>26</b>	<b>PAPER AND ALLIED PRODUCTS—Con.</b>			
<b>2655—</b>	<b>Fiber cans, drums, and similar products .....</b>	<b>1 879.3</b>	<b>1 821.5</b>	<b>3</b>
26551	Paperboard fiber drums with ends of any material .....	417.1	373.9	10
26552	Fiber cans, tubes, and similar fiber products .....	1 285.1	1 290.8	3
26550	Fiber cans, drums, and similar products, n.s.k. ....	177.1	156.8	1
<b>2656—</b>	<b>Sanitary food containers, except folding .....</b>	<b>2 303.0</b>	<b>2 407.6</b>	<b>1</b>
26561	Milk and milk-type paperboard cartons .....	692.4	678.0	1
26562	Cups and liquid-tight paper and paperboard containers .....	1 017.4	1 113.5	1
26563	Other sanitary paper and paperboard food containers, boards, and trays, except folding .....	554.9	560.9	4
26560	Sanitary food containers, except folding, n.s.k. ....	38.3	55.3	1
<b>2657—</b>	<b>Folding paperboard boxes .....</b>	<b>7 753.8</b>	<b>7 723.2</b>	<b>2</b>
26570	Folding paperboard boxes, packaging, and packaging components .....	7 753.8	7 723.2	2
<b>2671—</b>	<b>Paper coating and laminating, packaging .....</b>	<b>3 609.1</b>	<b>3 530.0</b>	<b>2</b>
26711	Single-web paper, coated rolls and sheets, including waxed, for packaging uses .....	752.3	822.7	2
26712	Single-web film, coated rolls and sheets, including coextruded, for packaging uses .....	1 047.0	993.4	3
26713	Paper/paper multiweb laminated rolls and sheets for packaging uses .....	191.7	189.3	1
26714	Multiweb laminated rolls and sheets, except paper/paper and foil, for packaging uses .....	1 376.0	1 349.9	3
26710	Paper coating and laminating, packaging, n.s.k. ....	242.2	174.7	19
<b>2672—</b>	<b>Paper coating and laminating, n.e.c. ....</b>	<b>7 880.5</b>	<b>7 420.3</b>	<b>1</b>
26721	Printing paper coated at establishments other than where paper was produced .....	304.6	238.6	1
26722	Gummed products .....	211.3	236.7	2
26723	Pressure-sensitive products .....	5 112.9	4 756.0	1
26724	Other coated and processed papers, except for packaging uses .....	1 457.6	1 516.0	2
26720	Paper coating and laminating, n.e.c., n.s.k. ....	794.2	672.9	1
<b>2673—</b>	<b>Bags: plastics, laminated, and coated .....</b>	<b>5 596.6</b>	<b>5 385.0</b>	<b>1</b>
26731	Specialty bags and liners, single-web paper, coated .....	250.8	258.9	6
26732	Specialty bags and liners, single-web film .....	4 208.8	4 166.6	1
26733	Specialty bags and liners, multiweb laminations and foil .....	610.2	486.2	5
26730	Bags: plastics, laminated, and coated, n.s.k. ....	526.8	473.3	2
<b>2674—</b>	<b>Bags: uncoated paper and multiwall .....</b>	<b>2 579.6</b>	<b>2 614.7</b>	<b>1</b>
26741	Grocers' bags and sacks and variety and shopping bags, uncoated paper .....	1 013.3	1 126.5	2
26742	Shipping sacks and multiwall bags, all materials except textiles .....	1 484.5	1 452.9	1
26740	Bags: uncoated paper and multiwall, n.s.k. ....	81.8	35.3	2
<b>2675—</b>	<b>Die-cut paper and paperboard .....</b>	<b>2 025.9</b>	<b>1 942.2</b>	<b>4</b>
26751	Die-cut paper and paperboard office supplies .....	893.0	912.0	4
26752	Die-cut paper and paperboard products, except office supplies .....	106.2	123.8	36
26753	Pasted, lined, laminated, or surface-coated paperboard .....	793.6	730.6	1
26750	Die-cut paper and paperboard, n.s.k. ....	233.2	175.8	18
<b>2676—</b>	<b>Sanitary paper products .....</b>	<b>14 780.1</b>	<b>14 939.7</b>	<b>1</b>
26761	Sanitary napkins and tampons .....	1 644.1	1 673.1	2
26763	Disposable diapers, except adult, including disposable training pants .....	4 229.3	4 146.3	2
26764	Sanitary tissue paper products .....	8 695.1	8 887.8	1
26760	Sanitary paper products, n.s.k. ....	211.6	232.5	1
<b>2677—</b>	<b>Envelopes .....</b>	<b>2 642.2</b>	<b>2 657.4</b>	<b>1</b>
26770	Envelopes, commercial, all types and materials .....	2 642.2	2 657.4	1
<b>2678—</b>	<b>Stationery, tablets, and related products .....</b>	<b>1 279.0</b>	<b>1 277.9</b>	<b>1</b>
26781	Stationery .....	309.3	333.3	3
26782	Tablets, pads, and related products .....	804.2	818.5	1
26780	Stationery, tablets, and related products, n.s.k. ....	165.5	126.1	3
<b>2679—</b>	<b>Converted paper products, n.e.c. ....</b>	<b>4 602.6</b>	<b>4 152.9</b>	<b>2</b>
26791	Wallcoverings .....	466.6	460.1	2
26792	Gift wrap paper .....	647.8	602.2	6
26793	Paper supplies for business machines and other miscellaneous unprinted paper office supplies, n.e.c. ....	438.1	413.2	5
26794	Molded pulp goods .....	350.3	354.4	4
26795	Other converted paper and paperboard products .....	1 832.2	1 672.3	3
26790	Converted paper products, n.e.c., n.s.k. ....	867.5	650.8	3
<b>27</b>	<b>PRINTING AND PUBLISHING</b>			
<b>2711—</b>	<b>Newspapers .....</b>	<b>33 116.4</b>	<b>32 261.5</b>	<b>1</b>
27111	Daily and Sunday newspapers: receipts from subscriptions and sales .....	6 733.8	6 541.6	1
27112	Daily and Sunday newspapers: receipts from advertising .....	20 735.0	20 123.8	1
27113	Weekly and other newspapers: receipts from subscriptions and sales .....	649.9	645.5	2
27114	Weekly and other newspapers: receipts from advertising .....	2 046.3	2 108.3	2
27110	Newspapers, n.s.k. ....	2 951.4	2 842.4	1
<b>2721—</b>	<b>Periodical publishing .....</b>	<b>21 696.4</b>	<b>20 890.3</b>	<b>1</b>
27211	Farm periodicals: receipts from subscriptions, sales, and advertising .....	172.4	199.9	3
27213	Specialized business and professional periodicals: receipts from subscriptions and single copy sales .....	2 528.1	2 527.3	2
27214	Specialized business and professional periodicals: receipts from advertising .....	3 784.3	3 717.4	2
2721A	General and consumer periodicals: receipts from subscriptions .....	3 575.0	3 621.0	1
2721B	General and consumer periodicals: receipts from single copy sales .....	1 896.2	1 860.5	1
2721C	General and consumer periodicals: receipts from advertising .....	5 188.9	5 133.5	1
2721D	Other periodicals, except shopping news, catalogs, or directories, n.e.c. ....	672.2	689.1	1
27210	Periodical publishing, n.s.k. ....	3 879.3	3 141.8	2

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>27</b>	<b>PRINTING AND PUBLISHING—Con.</b>			
<b>2731—</b>	<b>Book publishing .....</b>	<b>16 477.6</b>	<b>14 785.6</b>	<b>2</b>
27311	Textbooks, including teachers' editions .....	4 271.8	3 873.7	1
27313	Technical, scientific, and professional books .....	2 530.8	2 487.9	2
27314	Religious books .....	811.1	730.2	4
2731A	Mass market paperback books, rack-size .....	989.5	916.8	3
2731B	Book club books .....	846.8	745.8	1
2731C	Mail order books .....	711.7	711.2	1
2731D	Adult trade and juvenile books .....	3 108.0	2 647.3	5
2731E	General reference books .....	396.3	490.9	37
2731F	Other books, excluding pamphlets .....	441.4	390.4	4
2731G	Pamphlets (5 through 48 pages) .....	145.3	134.8	5
2731H	Audio books (books recorded on audio cassettes), publishing .....	70.5	36.1	14
27310	Book publishing, n.s.k. ....	2 154.5	1 620.5	1
<b>2732—</b>	<b>Book printing .....</b>	<b>4 927.9</b>	<b>4 736.1</b>	<b>2</b>
27323	Textbooks, printing and binding .....	701.5	678.7	5
27324	Technical, scientific, and professional books, printing and binding .....	1 116.0	1 003.1	5
27325	Religious books, printing and binding .....	219.1	207.0	2
27326	General books (trade, etc.), printing and binding .....	1 184.1	1 126.2	2
2732A	Other books, n.e.c., printing and binding .....	763.3	732.1	1
2732B	Books, printing only, not bound .....	139.0	137.2	7
2732C	Pamphlets, printing only or printing and binding (excluding advertising pamphlets) .....	294.4	313.7	7
27320	Book printing, n.s.k. ....	510.5	537.9	8
<b>2741—</b>	<b>Miscellaneous publishing .....</b>	<b>12 388.7</b>	<b>11 567.1</b>	<b>1</b>
27416	Telephone directories, publishing .....	5 002.7	4 807.5	1
27417	Catalogs and directories, except telephone directories, publishing .....	820.1	613.4	11
27418	Business service publications, publishing .....	805.2	897.6	2
27419	Patterns, including clothing patterns .....	258.1	214.4	3
2741A	Shopping news, publishing .....	1 019.6	990.6	3
2741B	Other miscellaneous publishing .....	2 232.1	2 216.9	3
27410	Miscellaneous publishing, n.s.k. ....	2 250.8	1 826.8	1
<b>2752—</b>	<b>Commercial printing, lithographic (offset) .....</b>	<b>43 827.8</b>	<b>42 424.2</b>	<b>1</b>
27521	Magazine and periodical printing (lithographic) .....	4 645.7	4 664.3	1
27522	Label and wrapper printing (lithographic) .....	1 612.1	1 607.1	5
27523	Catalog and directory printing (lithographic) .....	4 008.1	3 943.3	1
27524	Financial and legal printing (lithographic), excluding checkbooks .....	1 803.4	1 787.4	2
27525	Advertising printing (lithographic) .....	13 677.9	13 219.2	2
27526	Other general job printing (lithographic) .....	8 977.2	9 123.0	2
27520	Commercial printing, lithographic (offset), n.s.k. ....	9 103.4	8 080.1	2
<b>2754—</b>	<b>Commercial printing, gravure .....</b>	<b>3 363.7</b>	<b>3 433.2</b>	<b>1</b>
27541	Magazine and periodical printing (gravure) .....	524.8	551.1	1
27542	Label and wrapper printing (gravure) .....	543.2	528.3	4
27543	Catalog and directory printing (gravure) .....	831.3	883.1	1
27545	Advertising printing (gravure) .....	854.6	930.7	2
27546	Other commercial printing (gravure) .....	374.7	333.3	2
27540	Commercial printing, gravure, n.s.k. ....	235.2	206.6	3
<b>2759—</b>	<b>Commercial printing, n.e.c. ....</b>	<b>9 835.6</b>	<b>9 231.5</b>	<b>2</b>
27591	Magazine and periodical printing (letterpress) .....	55.6	62.1	7
27592	Label and wrapper printing (letterpress) .....	317.2	282.4	6
27593	Catalog and directory printing (letterpress) .....	75.3	90.0	6
27594	Financial and legal printing (letterpress) .....	73.6	73.9	5
27595	Advertising printing (letterpress) .....	330.9	331.5	5
27596	Other general job printing (letterpress) .....	842.9	885.3	10
27598	Screen printing, except on textiles .....	1 860.4	1 909.0	3
27599	Engraving .....	284.3	299.7	4
2759A	Nonimpact printing, using laser and ink-jet equipment .....	175.7	175.1	9
2759B	Label and wrapper printing (flexographic) .....	2 114.3	1 988.4	3
2759C	Flexographic printing, not elsewhere classified (excluding labels and wrappers) .....	330.7	311.9	2
27590	Commercial printing, n.e.c., n.s.k. ....	3 374.7	2 822.5	2
<b>2761—</b>	<b>Manifold business forms .....</b>	<b>6 802.5</b>	<b>6 795.3</b>	<b>1</b>
27612	Unit set forms, loose or bound .....	1 400.2	1 483.6	3
27613	Manifold books and pegboard accounting systems .....	323.9	334.1	2
27615	Custom continuous forms .....	2 616.0	2 594.1	2
27617	Stock continuous forms .....	1 530.7	1 534.7	2
27610	Manifold business forms, n.s.k. ....	931.7	848.8	2
<b>2771—</b>	<b>Greeting cards .....</b>	<b>3 296.3</b>	<b>3 078.3</b>	<b>1</b>
27711	Greeting cards, publishers' sales .....	2 996.5	2 726.3	1
27712	Greeting cards, printed for publication by others .....	122.9	88.8	17
27710	Greeting cards, n.s.k. ....	176.9	263.1	5
<b>2782—</b>	<b>Blankbooks and looseleaf binders .....</b>	<b>3 490.2</b>	<b>3 424.6</b>	<b>3</b>
27823	Checkbooks .....	1 620.2	1 672.2	2
27824	Blankbook making, except checkbooks .....	443.7	413.8	3
27825	Looseleaf binders, devices, and forms .....	1 144.3	1 110.9	6
27820	Blankbooks and looseleaf binders, n.s.k. ....	282.0	227.6	1
<b>2789—</b>	<b>Bookbinding and related work .....</b>	<b>1 284.6</b>	<b>1 321.5</b>	<b>3</b>
27891	Edition, library, and other hardcover bookbinding .....	248.2	249.6	8
27892	Other book and pamphlet binding, and related binding work .....	718.3	759.9	3
27890	Bookbinding and related work, n.s.k. ....	318.1	312.0	5
<b>2791—</b>	<b>Typesetting .....</b>	<b>1 795.3</b>	<b>1 829.6</b>	<b>3</b>
27910	Typesetting .....	1 795.3	1 829.6	3
<b>2796—</b>	<b>Platemaking services .....</b>	<b>3 600.6</b>	<b>3 568.9</b>	<b>2</b>
27961	Lithographic plates, prepared for printing .....	185.3	196.4	4
27962	Lithographic platemarking services .....	2 063.4	2 114.5	2
27963	Platemaking services, except lithographic .....	774.1	739.8	2
27960	Platemaking services, n.s.k. ....	577.7	518.2	2

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>28</b>	<b>CHEMICALS AND ALLIED PRODUCTS</b>			
<b>2812—</b>	<b>Alkalies and chlorine</b>	<b>2 383.8</b>	<b>2 789.8</b>	<b>1</b>
28121	Chlorine, compressed or liquefied <sup>3</sup>	566.0	198.4	1
28123	Sodium hydroxide (caustic soda) <sup>3</sup>	1 416.2	2 206.6	1
28125	Other alkalies <sup>3</sup>	364.6	365.4	1
28120	Alkalies and chlorine, n.s.k.	37.0	19.4	1
<b>2813—</b>	<b>Industrial gases</b>	<b>3 439.6</b>	<b>3 115.1</b>	<b>1</b>
28132	Acetylene <sup>3</sup>	127.9	127.0	2
28133	Carbon dioxide <sup>3</sup>	347.6	317.2	10
28135	Nitrogen <sup>3</sup>	1 074.9	947.0	1
28136	Oxygen <sup>3</sup>	878.0	770.6	1
28137	Other industrial gases, n.e.c. <sup>3 4</sup>	812.5	812.9	1
28130	Industrial gases, n.s.k.	198.9	140.5	2
<b>2816—</b>	<b>Inorganic pigments</b>	<b>3 420.1</b>	<b>3 468.2</b>	<b>1</b>
28161	Titanium dioxide <sup>3</sup>	2 253.1	2 316.2	1
28162	Other white opaque pigments	266.3	303.6	2
28163	Chrome colors and other inorganic pigments	794.1	785.0	1
28160	Inorganic pigments, n.s.k.	106.6	63.4	1
<b>2819—</b>	<b>Industrial inorganic chemicals, n.e.c.</b>	<b>12 617.6</b>	<b>12 713.7</b>	<b>1</b>
28193	Sulfuric acid <sup>3</sup>	493.1	545.8	3
28194	Inorganic acids, except nitric, sulfuric, and phosphoric <sup>3</sup>	566.0	536.8	1
28195	Aluminum oxide <sup>3</sup>	918.5	955.0	1
28196	Other inorganic aluminum compounds <sup>3</sup>	600.7	600.8	2
28197	Inorganic potassium and sodium compounds, n.e.c. <sup>3</sup>	2 124.5	1 920.5	2
28198	Chemical catalytic preparations <sup>3</sup>	1 341.1	1 352.1	1
28199	Other inorganic chemicals, n.e.c. <sup>3</sup>	5 989.0	6 323.1	1
28190	Industrial inorganic chemicals, n.e.c., n.s.k.	584.6	479.6	3
<b>2821—</b>	<b>Plastics materials and resins</b>	<b>33 565.1</b>	<b>33 007.6</b>	<b>1</b>
28213	Thermoplastic resins and plastics materials <sup>4</sup>	27 496.0	27 220.1	1
28214	Thermosetting resins and plastics materials <sup>4</sup>	5 742.2	5 520.0	1
28210	Plastics materials and resins, n.s.k.	326.9	267.6	3
<b>2822—</b>	<b>Synthetic rubber (vulcanizable elastomers)</b>	<b>4 615.7</b>	<b>4 294.8</b>	<b>1</b>
28220	Synthetic rubber <sup>4</sup>	4 615.7	4 294.8	1
<b>2823—</b>	<b>Cellulosic manmade fibers</b>	<b>1 662.3</b>	<b>1 692.4</b>	<b>1</b>
28230	Rayon and acetate fibers	1 662.3	1 692.4	1
<b>2824—</b>	<b>Manmade organic fibers, noncellulosic</b>	<b>9 431.4</b>	<b>9 231.7</b>	<b>1</b>
28241	Nylon and other polyamide fibers	2 323.4	2 255.9	2
28242	Polyolefin	154.6	226.6	5
28244	Polyester	3 117.7	3 066.8	1
28248	Producer textured noncellulosic manmade fibers <sup>2</sup>	2 608.7	2 503.6	1
28249	Other noncellulosic manmade fibers (except glass, carbon, and graphite)	1 210.9	1 173.5	1
28240	Manmade organic fibers, noncellulosic, n.s.k.	16.1	5.2	1
<b>2833—</b>	<b>Medicinals and botanicals</b>	<b>6 695.8</b>	<b>6 949.7</b>	<b>1</b>
28331	Synthetic organic medicinal chemicals, in bulk <sup>4</sup>	4 849.3	5 774.9	1
28333	Other medicinal chemicals and botanical products, in bulk, n.e.c.	1 508.5	1 070.5	2
28330	Medicinals and botanicals, n.s.k.	338.1	104.3	1
<b>2834—</b>	<b>Pharmaceutical preparations</b>	<b>45 646.9</b>	<b>43 095.5</b>	<b>1</b>
28341	Pharmaceutical preparations affecting neoplasms, the endocrine system, and metabolic diseases, for human use <sup>3</sup>	3 843.5	3 509.5	2
28342	Pharmaceutical preparations acting on the central nervous system and the sense organs, for human use <sup>3</sup>	8 605.0	8 416.8	1
28343	Pharmaceutical preparations acting on the cardiovascular system, for human use <sup>3</sup>	5 162.9	5 076.6	1
28344	Pharmaceutical preparations acting on the respiratory system, for human use <sup>3</sup>	4 923.3	5 037.0	1
28345	Pharmaceutical preparations acting on the digestive or the genito-urinary systems, for human use <sup>3</sup>	7 819.9	7 026.3	1
28346	Pharmaceutical preparations acting on the skin, for human use <sup>3</sup>	1 971.1	1 745.9	1
28347	Vitamin, nutrient, and hematonic preparations, for human use <sup>3</sup>	3 539.6	3 131.7	1
28348	Pharmaceutical preparations affecting parasitic and infective diseases, for human use <sup>3</sup>	7 137.5	7 127.0	1
28349	Pharmaceutical preparations, for veterinary use <sup>3</sup>	1 390.8	1 306.9	16
28340	Pharmaceutical preparations, n.s.k.	1 253.4	717.7	1
<b>2835—</b>	<b>Diagnostic substances</b>	<b>6 442.3</b>	<b>6 177.1</b>	<b>1</b>
28351	Diagnostic substances, in vitro	5 223.0	5 067.7	1
28352	Diagnostic substances, in vivo	1 131.0	1 051.8	1
28350	Diagnostic substances, n.s.k.	88.3	57.6	1
<b>2836—</b>	<b>Biological products, except diagnostic</b>	<b>5 193.9</b>	<b>4 494.0</b>	<b>1</b>
28361	Blood and blood derivatives, for human use	1 211.3	1 051.9	2
28362	Vaccines, toxoids, and antigens, except allergens, for human use	995.4	983.2	1
28363	Other biologics for human use	1 690.2	1 418.9	1
28364	Biological products for veterinary, industrial, and other uses, n.e.c., except diagnostics	969.5	795.7	2
28360	Biological products, except diagnostic, n.s.k.	327.5	244.3	1
<b>2841—</b>	<b>Soap and other detergents</b>	<b>11 463.8</b>	<b>11 054.2</b>	<b>2</b>
28411	Soaps and detergents, commercial, industrial, and institutional	2 120.9	2 149.1	10
28412	Household detergents	6 172.3	6 029.9	1
28413	Soaps, except specialty cleaners, household	1 868.2	1 965.0	1
28414	Glycerin, natural <sup>4</sup>	176.6	138.3	1
28410	Soap and other detergents, n.s.k.	1 125.7	771.9	1
<b>2842—</b>	<b>Polishes and sanitation goods</b>	<b>7 671.7</b>	<b>6 496.9</b>	<b>1</b>
28422	Household bleaches (chlorine and nonchlorine) <sup>3</sup>	1 108.0	941.7	2
28423	Specialty cleaning and sanitation products	4 440.1	3 599.7	2
28424	Polishing preparations and related products	1 161.2	1 057.4	4
28420	Polishes and sanitation goods, n.s.k.	962.4	898.2	1
<b>2843—</b>	<b>Surfactants, finishing agents, and assistants</b>	<b>4 035.9</b>	<b>3 779.8</b>	<b>2</b>
28430	Surfactants, finishing agents, and assistants <sup>4</sup>	4 035.9	3 779.8	2

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>28</b>	<b>CHEMICALS AND ALLIED PRODUCTS—Con.</b>			
<b>2844—</b>	<b>Toilet preparations</b> .....	<b>20 257.0</b>	<b>18 842.7</b>	<b>1</b>
28441	Shaving preparations .....	509.1	499.0	1
28442	Perfumes, toilet waters, and colognes .....	2 540.4	2 205.6	2
28443	Hair preparations (including shampoos) .....	4 707.1	4 606.9	3
28444	Dentifrices, mouthwashes, gargles, and rinses .....	1 960.8	1 706.9	5
28446	Creams, lotions and oils, excluding shaving, hair, and deodorant .....	3 234.9	3 075.7	1
28447	Other cosmetics and toilet preparations .....	5 974.5	5 681.6	1
28440	Toilet preparations, n.s.k. ....	1 330.2	1 067.0	2
<b>2851—</b>	<b>Paints and allied products</b> .....	<b>15 342.2</b>	<b>14 274.9</b>	<b>1</b>
28511	Architectural coatings <sup>3</sup> .....	5 543.1	5 325.2	1
28512	Product finishes for original equipment manufacturers (OEM), excluding marine coatings <sup>3</sup> .....	4 532.6	4 220.6	2
28513	Special purpose coatings, including all marine coatings <sup>3</sup> .....	2 937.1	2 868.8	2
28515	Miscellaneous allied paint products <sup>3</sup> .....	1 271.6	1 226.9	3
28510	Paints and allied products, n.s.k. ....	1 057.7	633.4	1
<b>2861—</b>	<b>Gum and wood chemicals</b> .....	<b>776.1</b>	<b>790.9</b>	<b>6</b>
28610	Gum and wood chemicals, including wood distillation products .....	776.1	790.9	6
<b>2865—</b>	<b>Cyclic crudes and intermediates</b> .....	<b>12 689.3</b>	<b>12 822.0</b>	<b>1</b>
28651	Cyclic intermediates <sup>4</sup> .....	7 490.3	7 658.9	1
28652	Synthetic organic dyes <sup>4</sup> .....	1 267.4	1 341.7	1
28653	Synthetic organic pigments, lakes, and toners <sup>4</sup> .....	1 278.3	1 233.5	2
28655	Tar, tar crudes, and tar pitches <sup>4</sup> .....	394.0	493.2	2
28656	Aromatics (benzene, toluene, xylene, etc.), not made in a refinery <sup>4</sup> .....	2 028.7	1 965.1	1
28650	Cyclic crudes and intermediates, n.s.k. ....	230.6	129.7	12
<b>2869—</b>	<b>Industrial organic chemicals, n.e.c.</b> .....	<b>46 305.9</b>	<b>46 120.5</b>	<b>1</b>
28691	Liquefied refinery gases (aliphatics), not made in a refinery <sup>2 4</sup> .....	7 803.3	8 310.2	1
28692	Ethyl alcohol .....	1 493.9	1 433.4	1
28693	Synthetic organic chemicals, n.e.c. ....	3 454.0	3 548.1	4
28694	Bulk pesticides and other bulk synthetic organic agricultural chemicals .....	1 231.1	1 217.4	1
28696	Miscellaneous end-use chemicals and chemical products .....	6 293.8	6 318.5	1
28697	Miscellaneous cyclic and acyclic chemicals and chemical products .....	21 781.6	21 452.4	1
28698	Other industrial organic chemicals (data which are not reported to the International Trade Commission) .....	3 160.5	3 118.8	1
28690	Industrial organic chemicals, n.e.c., n.s.k. ....	1 087.6	721.8	1
<b>2873—</b>	<b>Nitrogenous fertilizers</b> .....	<b>3 736.6</b>	<b>3 588.1</b>	<b>1</b>
28731	Synthetic ammonia, nitric acid, and ammonium compounds <sup>3</sup> .....	2 860.5	2 689.8	1
28732	Urea <sup>3 4</sup> .....	641.6	708.8	1
28733	Fertilizer materials of organic origin .....	142.2	146.9	2
28730	Nitrogenous fertilizers, n.s.k. ....	92.3	42.6	1
<b>2874—</b>	<b>Phosphatic fertilizers</b> .....	<b>3 399.9</b>	<b>4 049.4</b>	<b>1</b>
28741	Phosphoric acid <sup>3</sup> .....	943.3	1 151.2	1
28742	Superphosphate and other phosphatic fertilizer materials <sup>3</sup> .....	2 138.8	2 534.3	1
28744	Mixed fertilizers <sup>2</sup> .....	252.5	341.4	2
28740	Phosphatic fertilizers, n.s.k. ....	65.3	22.5	1
<b>2875—</b>	<b>Fertilizers, mixing only</b> .....	<b>2 032.8</b>	<b>1 781.5</b>	<b>2</b>
28750	Mixed fertilizers, made by plants which do not manufacture fertilizer materials <sup>2</sup> .....	2 032.8	1 781.5	2
<b>2879—</b>	<b>Agricultural chemicals, n.e.c.</b> .....	<b>8 718.5</b>	<b>8 234.8</b>	<b>2</b>
28795	Insecticidal preparations primarily for agricultural, garden, and health service use .....	1 678.2	1 567.1	1
28796	Herbicidal preparations primarily for agricultural, garden, and health service use .....	4 476.3	4 202.7	3
28797	Fungicidal preparations primarily for agricultural, garden, and health service use .....	590.7	699.6	3
28798	Other pesticidal preparations and agricultural chemicals, n.e.c., primarily for agricultural use .....	555.6	594.2	3
28799	Household pesticidal preparations, including industrial exterminants .....	949.7	874.3	2
28790	Agricultural chemicals, n.e.c., n.s.k. ....	468.0	296.8	15
<b>2891—</b>	<b>Adhesives and sealants</b> .....	<b>5 797.8</b>	<b>5 399.1</b>	<b>3</b>
28913	Natural base glues and adhesives .....	186.0	189.5	6
28914	Synthetic resin and rubber adhesives, including all types of bonding and laminating adhesives .....	3 741.9	3 555.4	4
28916	Structural sealants (load bearing) .....	405.2	343.5	11
28917	Nonstructural caulking compounds and sealants .....	861.7	811.5	3
28910	Adhesives and sealants, n.s.k. ....	603.0	499.4	4
<b>2892—</b>	<b>Explosives</b> .....	<b>880.7</b>	<b>892.6</b>	<b>6</b>
28920	Explosives, propellants, and blasting accessories, except those shipped by Government-owned, contractor-operated plants .....	880.7	892.6	6
<b>2893—</b>	<b>Printing ink</b> .....	<b>3 246.8</b>	<b>3 064.6</b>	<b>3</b>
28931	Letterpress inks .....	116.5	139.9	6
28932	Lithographic and offset inks .....	1 421.9	1 378.5	3
28933	Gravure inks .....	529.2	464.5	4
28934	Flexographic inks .....	599.7	588.9	3
28935	Printing inks, n.e.c. ....	262.5	211.3	16
28930	Printing ink, n.s.k. ....	316.9	281.6	9
<b>2895—</b>	<b>Carbon black</b> .....	<b>701.8</b>	<b>606.8</b>	<b>2</b>
28950	Carbon black (channel and furnace process only) .....	701.8	606.8	2
<b>2899—</b>	<b>Chemical preparations, n.e.c.</b> .....	<b>10 186.1</b>	<b>9 505.6</b>	<b>2</b>
28991	Evaporated salt .....	537.5	536.7	4
28992	Fatty acids (produced for sale as such) .....	479.6	503.8	2
28994	Gelatin, except ready-to-eat desserts .....	324.3	314.1	1
28995	Chemical preparations, n.e.c., including essential oils, automotive chemicals, and water treating compounds .....	7 248.3	7 107.3	2
28990	Chemical preparations, n.e.c., n.s.k. ....	1 596.5	1 043.7	4

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>29</b>	<b>PETROLEUM AND COAL PRODUCTS</b>			
<b>2911—</b>	<b>Petroleum refining</b> .....	<b>125 484.4</b>	<b>131 402.8</b>	<b>1</b>
29111	Gasoline, including finished base stocks and blending agents .....	65 251.1	70 140.4	1
29112	Jet fuel .....	11 820.8	12 338.8	1
29113	Kerosene .....	544.7	543.0	1
29114	Light fuel oils .....	25 156.1	26 426.0	1
29115	Heavy fuel oils .....	4 908.9	4 731.6	1
29117	Lubricating oils and greases, made in a refinery <sup>2</sup> .....	1 582.4	1 839.9	1
29118	Unfinished oils and lubricating oil base stock .....	4 417.7	4 741.1	1
29119	Asphalt .....	2 389.0	1 846.2	1
2911A	Liquefied refinery gases including other aliphatics (feed stock and other uses), made in a refinery <sup>2</sup> .....	5 262.1	4 887.3	1
2911D	Other finished petroleum products, including waxes .....	4 025.5	3 809.2	1
29110	Petroleum refining, n.s.k. ....	126.1	99.3	1
<b>2951—</b>	<b>Asphalt paving mixtures and blocks</b> .....	<b>4 135.2</b>	<b>3 642.7</b>	<b>4</b>
29510	Paving mixtures and blocks .....	4 135.2	3 642.7	4
<b>2952—</b>	<b>Asphalt felts and coatings</b> .....	<b>3 986.8</b>	<b>3 625.2</b>	<b>2</b>
29522	Roofing asphalts and pitches, coatings, and cements .....	578.9	531.2	8
29524	Prepared asphalt and tar roofing and siding products, including saturated felts and boards for nonbuilding use .....	3 165.0	2 912.7	1
29520	Asphalt felts and coatings, n.s.k. ....	242.9	181.3	1
<b>2992—</b>	<b>Lubricating oils and greases</b> .....	<b>5 116.5</b>	<b>4 910.2</b>	<b>1</b>
29920	Lubricating oils and greases, not made in a refinery <sup>2</sup> .....	5 116.5	4 910.2	1
<b>2999—</b>	<b>Petroleum and coal products, n.e.c.</b> .....	<b>970.8</b>	<b>809.1</b>	<b>4</b>
29990	Petroleum and coal products, n.e.c. ....	970.8	809.1	4
<b>30</b>	<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS</b>			
<b>3011—</b>	<b>Tires and inner tubes</b> .....	<b>12 235.3</b>	<b>11 311.8</b>	<b>1</b>
30111	Passenger car pneumatic tires (casings) .....	6 331.3	5 926.9	1
30112	Truck and bus (including off-the-highway pneumatic tires) .....	4 022.3	3 607.0	1
30117	Tractor and implement pneumatic tires .....	514.8	433.2	1
30118	Industrial and utility pneumatic tires .....	165.8	179.3	1
30119	Other pneumatic tires .....	146.7	157.1	1
3011A	Solid and semipneumatic tires .....	106.5	110.6	3
3011C	Inner tubes .....	127.0	116.1	1
3011D	Tread rubber, tire sundries, and repair materials .....	742.3	721.9	2
30110	Tires and inner tubes, n.s.k. ....	78.6	59.8	3
<b>3021—</b>	<b>Rubber and plastics footwear</b> .....	<b>719.1</b>	<b>803.4</b>	<b>1</b>
30214	Protective footwear <sup>3</sup> .....	228.9	234.9	2
30215	Shoes with soles vulcanized, molded, or cemented to fabrics uppers <sup>3</sup> .....	456.8	544.0	1
30210	Rubber and plastics footwear, n.s.k. ....	33.3	24.6	1
<b>3052—</b>	<b>Rubber and plastics hose and belting</b> .....	<b>2 871.9</b>	<b>2 635.0</b>	<b>3</b>
30521	Rubber and plastics belts and belting, flat .....	500.5	440.1	3
30522	Rubber and plastics transmission belts and belting other than flat .....	598.5	555.5	1
3052A	Hose for on- and off-highway motor vehicles (made of rubber and other materials; e.g., plastics, nylon) .....	668.3	570.4	1
3052B	Industrial hose without fittings .....	232.8	201.3	4
3052C	Water hose without fittings .....	65.1	129.8	6
3052D	Rubber and plastics garden hose (with or without fittings) .....	192.5	209.9	1
3052F	Air hose (other than pneumatic power transfer) .....	131.0	119.0	3
3052G	Pneumatic and hydraulic hose, n.e.c., without fittings (made of rubber and other materials; e.g., plastics, nylon) .....	309.7	324.0	2
30520	Rubber and plastics hose and belting, n.s.k. ....	173.5	85.1	33
<b>3053—</b>	<b>Gaskets, packing, and sealing devices</b> .....	<b>3 271.3</b>	<b>3 147.0</b>	<b>1</b>
30534	Compression packings .....	96.1	102.6	2
30535	Nonmetallic gaskets and gasketing .....	920.7	880.3	2
30536	Molded packings and seals .....	692.4	685.1	2
30537	Metallic gaskets and machined seals .....	481.2	514.5	2
30538	Axial mechanical face seals .....	210.5	214.9	1
30539	Rotary oil seals .....	497.1	493.5	1
30530	Gaskets, packing, and sealing devices, n.s.k. ....	373.3	256.0	2
<b>3061—</b>	<b>Mechanical rubber goods</b> .....	<b>4 871.7</b>	<b>4 474.9</b>	<b>2</b>
30611	Molded rubber mechanical goods, automotive .....	1 861.4	1 684.9	3
30612	Molded rubber mechanical goods, transportation, except automotive (including off-highway) .....	427.6	282.6	9
30613	Other molded rubber mechanical goods .....	899.7	972.3	4
30614	Extruded rubber mechanical goods, automotive (except tubing) .....	774.8	721.7	1
30615	Other extruded rubber mechanical goods, except automotive .....	439.8	429.3	4
30616	Lathe-cut rubber mechanical goods, automotive .....	74.2	67.6	2
30617	Other lathe-cut rubber mechanical goods, except automotive .....	39.7	50.0	3
30610	Mechanical rubber goods, n.s.k. ....	354.5	266.4	3
<b>3069—</b>	<b>Fabricated rubber products, n.e.c.</b> .....	<b>7 216.8</b>	<b>6 617.9</b>	<b>2</b>
30693	Sponge, expanded and foam rubber products .....	1 061.5	983.6	4
30694	Rubber floor and wall coverings .....	504.3	438.7	5
30695	Prophylactics .....	152.0	206.8	1
30696	Shoe products, rubber, elastomer resin .....	156.7	140.0	1
30698	Rubber druggist and medical sundries, including household gloves .....	571.2	525.6	1
30699	Compounds or mixtures for sale or interplant transfer .....	1 246.5	1 209.8	1
3069C	Industrial rubber products, n.e.c. ....	1 341.4	1 230.4	3
3069D	Rubber coated fabrics and rubber clothing .....	336.7	365.4	1
3069E	Other rubber goods .....	915.5	902.9	6
30690	Fabricated rubber products, n.e.c., n.s.k. ....	931.1	614.8	1
<b>3081—</b>	<b>Unsupported plastics film and sheet</b> .....	<b>11 406.4</b>	<b>11 074.8</b>	<b>1</b>
30810	Plastics film and sheet, unsupported .....	11 406.4	11 074.8	1
<b>3082—</b>	<b>Unsupported plastics profile shapes</b> .....	<b>3 681.2</b>	<b>3 449.6</b>	<b>2</b>
30820	Plastics unsupported rods, tubes, profiles, and other shapes .....	3 681.2	3 449.6	2
<b>3083—</b>	<b>Laminated plastics plate and sheet</b> .....	<b>2 313.0</b>	<b>2 153.4</b>	<b>1</b>
30830	Plastics laminates (excluding flexible packaging) .....	2 313.0	2 153.4	1

See footnotes at end of table.

## 2-18 VALUE OF PRODUCT SHIPMENTS

## ANNUAL SURVEY OF MANUFACTURES

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>30</b>	<b>RUBBER AND MISCELLANEOUS PLASTICS PRODUCTS—Con.</b>			
<b>3084—</b>	<b>Plastics pipe</b> .....	<b>2 746.0</b>	<b>2 358.8</b>	<b>2</b>
30840	Plastics pipe .....	2 746.0	2 358.8	2
<b>3085—</b>	<b>Plastics bottles</b> .....	<b>5 061.5</b>	<b>4 533.4</b>	<b>2</b>
30850	Plastics bottles .....	5 061.5	4 533.4	2
<b>3086—</b>	<b>Plastics foam products</b> .....	<b>10 027.8</b>	<b>9 358.0</b>	<b>2</b>
30861	Transportation plastics foam products .....	1 633.7	1 541.3	6
30862	Packaging .....	1 777.2	1 632.4	3
30863	Building and construction .....	1 282.2	1 183.2	3
30864	Furniture and furnishings .....	2 135.6	1 963.8	2
30865	Consumer and institutional .....	1 663.4	1 613.7	2
30866	Other .....	559.7	646.2	5
30860	Plastics foam products, n.s.k. ....	976.1	777.4	4
<b>3087—</b>	<b>Custom compound purchased resins</b> .....	<b>4 845.7</b>	<b>4 386.9</b>	<b>2</b>
30870	Custom compounding of purchased resins and color concentrates .....	4 845.7	4 386.9	2
<b>3088—</b>	<b>Plastics plumbing fixtures</b> .....	<b>1 343.1</b>	<b>1 146.7</b>	<b>2</b>
30880	Plastics plumbing fixtures <sup>3</sup> .....	1 343.1	1 146.7	2
<b>3089—</b>	<b>Plastics products, n.e.c.</b> .....	<b>46 481.6</b>	<b>42 786.2</b>	<b>1</b>
30891	Transportation fabricated plastics products (except foam and reinforced plastics) .....	8 671.2	7 883.0	1
30892	Electrical and electronic fabricated plastics (except foam and reinforced plastics) .....	3 315.4	3 161.1	3
30893	Industrial machinery plastics products, except foam .....	1 032.7	915.2	6
30894	Plastics packaging (except film and sheet, foam, and bottles) .....	5 907.7	5 983.7	1
30895	Plastics dinnerware, tableware, kitchenware, and oven/microwave ware (except foam and cups) .....	1 240.5	1 283.4	3
30896	Consumer, institutional, and commercial fabricated plastics products (except foam and wire coated), n.e.c. ....	9 901.5	9 006.4	2
30897	Plastics furniture components and furnishings (excluding foam and reinforced plastics) .....	707.5	736.9	2
30898	Building and construction fabricated plastics products, except foam, plumbing fixtures, hardware, or reinforced plastics .....	4 848.2	4 176.8	4
30899	Plastics shoe products, including taps, soles, slabs, and quarterlinings .....	102.5	115.7	5
3089A	Reinforced and fiberglass plastics products, n.e.c. ....	4 127.3	3 743.0	2
30890	Plastics products, n.e.c., n.s.k. ....	6 627.1	5 781.0	1
<b>31</b>	<b>LEATHER AND LEATHER PRODUCTS</b>			
<b>3111—</b>	<b>Leather tanning and finishing</b> .....	<b>3 217.9</b>	<b>2 929.7</b>	<b>2</b>
31116	Finished and unfinished leather .....	2 789.0	2 610.2	3
31119	Contract and commission receipts for tanning or finishing leather owned by others .....	146.6	186.3	4
31110	Leather tanning and finishing, n.s.k. ....	282.3	133.1	1
<b>3131—</b>	<b>Boot and shoe cut stock and findings</b> .....	<b>329.8</b>	<b>315.1</b>	<b>2</b>
31310	Boot and shoe cut stock and findings .....	329.8	315.1	2
<b>3142—</b>	<b>House slippers</b> .....	<b>256.2</b>	<b>258.8</b>	<b>4</b>
31420	House slippers .....	256.2	258.8	4
<b>3143—</b>	<b>Men's footwear, except athletic</b> .....	<b>1 969.8</b>	<b>1 806.6</b>	<b>2</b>
31430	Men's footwear, except athletic <sup>3</sup> .....	1 969.8	1 806.6	2
<b>3144—</b>	<b>Women's footwear, except athletic</b> .....	<b>1 187.6</b>	<b>1 228.6</b>	<b>3</b>
31440	Women's footwear, except athletic <sup>3</sup> .....	1 187.6	1 228.6	3
<b>3149—</b>	<b>Footwear, except rubber, n.e.c.</b> .....	<b>293.2</b>	<b>314.2</b>	<b>4</b>
31490	Footwear, except rubber, n.e.c. <sup>3</sup> .....	293.2	314.2	4
<b>3151—</b>	<b>Leather gloves and mittens</b> .....	<b>114.8</b>	<b>114.0</b>	<b>9</b>
31510	Gloves and mittens, all leather <sup>3</sup> .....	114.8	114.0	9
<b>3161—</b>	<b>Luggage</b> .....	<b>804.1</b>	<b>845.9</b>	<b>3</b>
31610	Suitcases, briefcases, bags, and musical instrument cases .....	804.1	845.9	3
<b>3171—</b>	<b>Women's and children's handbags and purses</b> .....	<b>365.7</b>	<b>410.7</b>	<b>3</b>
31710	Women's and children's handbags and purses .....	365.7	410.7	3
<b>3172—</b>	<b>Personal leather goods, n.e.c.</b> .....	<b>502.8</b>	<b>522.3</b>	<b>6</b>
31720	Personal leather goods, n.e.c. ....	502.8	522.3	6
<b>3199—</b>	<b>Leather goods, n.e.c.</b> .....	<b>566.3</b>	<b>494.8</b>	<b>7</b>
31990	Leather products, n.e.c. ....	566.3	494.8	7
<b>32</b>	<b>STONE, CLAY, AND GLASS PRODUCTS</b>			
<b>3211—</b>	<b>Flat glass</b> .....	<b>2 150.8</b>	<b>1 998.7</b>	<b>1</b>
32113	Laminated glass <sup>2</sup> .....	(D)	(D)	(X)
32114	Other glass products .....	(D)	(D)	(X)
32115	Flat glass <sup>3</sup> .....	1 422.0	1 400.7	1
32110	Flat glass, n.s.k. ....	.1	.6	2
<b>3221—</b>	<b>Glass containers</b> .....	<b>4 779.2</b>	<b>4 816.2</b>	<b>1</b>
32210	Glass containers .....	4 779.2	4 816.2	1
<b>3229—</b>	<b>Pressed and blown glass, n.e.c.</b> .....	<b>4 341.5</b>	<b>4 094.0</b>	<b>1</b>
32293	Glass fiber, textile-type .....	1 354.8	1 261.7	1
32295	Machine-made table, kitchen, art, and novelty glassware <sup>2 3</sup> .....	791.3	783.3	1
32296	Machine-made lighting, automotive, and electronic glassware <sup>2 3</sup> .....	1 270.6	1 157.3	1
32297	All other machine-made glassware <sup>2 3</sup> .....	640.2	646.4	1
32298	Handmade pressed and blown glassware <sup>2 3</sup> .....	119.9	118.5	3
32290	Pressed and blown glass, n.e.c., n.s.k. ....	164.7	126.8	2

See footnotes at end of table.



Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>32</b>	<b>STONE, CLAY, AND GLASS PRODUCTS—Con.</b>			
<b>3231—</b>	<b>Products of purchased glass.....</b>	<b>7 439.2</b>	<b>6 860.2</b>	<b>1</b>
32311	Machine-made pressed and blown glassware <sup>2 3</sup> .....	1 180.3	1 122.1	2
32312	Handmade pressed and blown glassware <sup>2 3</sup> .....	146.5	151.2	14
32313	Laminated glass <sup>2</sup> .....	(D)	(D)	(X)
32315	Mirrors (decorated or undecorated) .....	843.0	799.5	2
32318	Other glass products .....	(D)	(D)	(X)
32310	Products of purchased glass, n.s.k. ....	537.5	401.0	2
<b>3241—</b>	<b>Cement, hydraulic .....</b>	<b>4 050.6</b>	<b>3 928.6</b>	<b>2</b>
32410	Cement, hydraulic (including cost of shipping containers) .....	4 050.6	3 928.6	2
<b>3251—</b>	<b>Brick and structural clay tile .....</b>	<b>1 124.9</b>	<b>1 053.7</b>	<b>2</b>
32510	Brick and clay tile <sup>3</sup> .....	1 124.9	1 053.7	2
<b>3253—</b>	<b>Ceramic wall and floor tile .....</b>	<b>738.6</b>	<b>677.7</b>	<b>2</b>
32530	Clay floor and wall tile <sup>3</sup> .....	738.6	677.7	2
<b>3255—</b>	<b>Clay refractories .....</b>	<b>772.4</b>	<b>779.1</b>	<b>4</b>
32550	Clay refractories <sup>3</sup> .....	772.4	779.1	4
<b>3259—</b>	<b>Structural clay products, n.e.c. ....</b>	<b>96.1</b>	<b>124.7</b>	<b>15</b>
32591	Vitrified clay sewer pipe and fittings <sup>3</sup> .....	36.3	42.9	8
32592	Other structural clay products, n.e.c. (except clay refractories) .....	38.9	65.7	36
32590	Structural clay products, n.e.c., n.s.k. ....	20.9	16.2	1
<b>3261—</b>	<b>Vitreous plumbing fixtures .....</b>	<b>861.9</b>	<b>807.2</b>	<b>1</b>
32610	Vitreous plumbing fixtures, accessories, and fittings .....	861.9	807.2	1
<b>3262—</b>	<b>Vitreous china table and kitchenware .....</b>	<b>333.8</b>	<b>290.6</b>	<b>7</b>
32620	Vitreous china and porcelain table and kitchenware (including bone and feldspar) for household, hotel, or commercial use .....	333.8	290.6	7
<b>3263—</b>	<b>Semivitreous table and kitchenware .....</b>	<b>55.2</b>	<b>45.4</b>	<b>6</b>
32630	Earthenware table and kitchenware (semivitreous) .....	55.2	45.4	6
<b>3264—</b>	<b>Porcelain electrical supplies .....</b>	<b>860.8</b>	<b>845.4</b>	<b>1</b>
32640	Porcelain, steatite, and other ceramic electrical products .....	860.8	845.4	1
<b>3269—</b>	<b>Pottery products, n.e.c. ....</b>	<b>652.6</b>	<b>601.4</b>	<b>3</b>
32690	Pottery products, n.e.c. (including china decorating for the trade) .....	652.6	601.4	3
<b>3271—</b>	<b>Concrete block and brick .....</b>	<b>1 779.1</b>	<b>1 665.7</b>	<b>7</b>
32710	Concrete brick and block .....	1 779.1	1 665.7	7
<b>3272—</b>	<b>Concrete products, n.e.c. ....</b>	<b>5 924.0</b>	<b>5 569.5</b>	<b>2</b>
32721	Concrete pipe .....	1 344.1	1 232.5	3
32722	Precast concrete products .....	2 802.9	2 641.7	3
32723	Prestressed concrete products .....	919.6	907.8	6
32720	Concrete products, n.e.c., n.s.k. ....	857.4	787.5	5
<b>3273—</b>	<b>Ready-mixed concrete .....</b>	<b>11 535.7</b>	<b>10 907.0</b>	<b>2</b>
32730	Ready-mixed concrete .....	11 535.7	10 907.0	2
<b>3274—</b>	<b>Lime .....</b>	<b>853.2</b>	<b>851.0</b>	<b>2</b>
32740	Lime (including cost of containers) .....	853.2	851.0	2
<b>3275—</b>	<b>Gypsum products .....</b>	<b>2 101.7</b>	<b>1 930.0</b>	<b>1</b>
32751	Gypsum building materials .....	1 751.5	1 584.1	2
32752	Other gypsum products .....	287.4	284.4	2
32750	Gypsum products, n.s.k. ....	62.9	61.4	1
<b>3281—</b>	<b>Cut stone and stone products .....</b>	<b>976.0</b>	<b>948.5</b>	<b>4</b>
32811	Dressed dimension granite (including gneiss, syenite, diorite, and cut granite) .....	440.5	449.3	4
32812	Dressed dimension limestone (including dolomite, travertine, calcareous, tufa, and cut limestone) .....	120.0	123.3	4
32813	Dressed dimension marble and other stone .....	175.2	159.5	16
32810	Cut stone and stone products, n.s.k. ....	240.3	216.4	2
<b>3291—</b>	<b>Abrasive products .....</b>	<b>3 280.1</b>	<b>3 193.7</b>	<b>1</b>
32915	Nonmetallic sized grains, powders, and flour abrasives (including graded products only) .....	583.2	548.0	1
32916	Nonmetallic abrasive products (including diamond abrasives) .....	676.3	758.1	4
32917	Nonmetallic coated abrasive products and buffing wheels, polishing wheels, and laps .....	1 439.6	1 460.4	1
32918	Metal abrasives (including scouring pads) .....	339.6	291.6	5
32910	Abrasive products, n.s.k. ....	241.5	135.5	1
<b>3292—</b>	<b>Asbestos products .....</b>	<b>(S)</b>	<b>72.7</b>	<b>(X)</b>
32922	Asbestos friction materials .....	(S)	61.1	(X)
32927	Other asbestos products .....	(S)	9.4	(X)
32920	Asbestos products, n.s.k. ....	(S)	2.2	(X)
<b>3295—</b>	<b>Minerals, ground or treated .....</b>	<b>1 761.3</b>	<b>1 701.4</b>	<b>2</b>
32950	Minerals and earths, ground or otherwise treated .....	1 761.3	1 701.4	2
<b>3296—</b>	<b>Mineral wool .....</b>	<b>3 160.3</b>	<b>3 061.3</b>	<b>1</b>
32961	Mineral wool for thermal and acoustical envelope insulation (for insulating homes, commercial and industrial buildings) .....	2 116.8	2 037.8	1
32962	Mineral wool for industrial, equipment, and appliance insulation .....	891.3	884.6	2
32960	Mineral wool, n.s.k. ....	152.2	138.9	1
<b>3297—</b>	<b>Nonclay refractories .....</b>	<b>1 219.5</b>	<b>1 200.9</b>	<b>4</b>
32970	Nonclay refractories (except dead-burned magnesia) <sup>3</sup> .....	1 219.5	1 200.9	4
<b>3299—</b>	<b>Nonmetallic mineral products, n.e.c. ....</b>	<b>792.0</b>	<b>724.9</b>	<b>3</b>
32990	Other nonmetallic mineral products, n.e.c. ....	792.0	724.9	3

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>33</b>	<b>PRIMARY METAL INDUSTRIES</b>			
<b>3312—</b>	<b>Blast furnaces and steel mills</b> -----	<b>44 492.9</b>	<b>42 220.9</b>	<b>1</b>
33121	Coke oven and blast furnace products, including ferroalloys <sup>4</sup> -----	1 796.4	1 740.4	2
33122	Steel ingot and semifinished shapes <sup>3</sup> -----	3 975.3	3 663.0	1
33123	Hot-rolled sheet and strip, including tin mill products <sup>3</sup> -----	18 504.1	17 570.6	1
33124	Hot-rolled bars and bar shapes, plates, structural shapes, and piling <sup>3</sup> -----	10 005.1	9 786.6	1
33125	Steel wire (made in steel mills) (see also code 33155) <sup>2 3</sup> -----	294.1	370.7	1
33126	Steel pipe and tubes (made in steel mills) (see also code 33170) <sup>2 3</sup> -----	1 905.5	1 701.3	1
33127	Cold-rolled steel sheet and strip (made in steel mills) (see also code 33167) <sup>2 3</sup> -----	6 698.1	6 151.0	1
33128	Cold-finished steel bars and bar shapes (made in steel mills) (see also code 33168) <sup>2 3</sup> -----	682.5	658.0	1
3312A	Seamless rolled ring forgings, ferrous (made in steel mills) (see also code 34627) <sup>2</sup> -----	77.6	77.3	2
3312B	Open die or smith forgings (hammer or press), ferrous (made in steel mills) (see also code 34628) <sup>2</sup> -----	116.4	114.0	1
3312C	Other steel mill products, including steel rails, except wire products <sup>3</sup> -----	417.2	382.8	3
33120	Blast furnaces and steel mills, n.s.k. -----	20.5	5.2	4
<b>3313—</b>	<b>Electrometallurgical products<sup>4</sup></b> -----	<b>987.1</b>	<b>971.9</b>	<b>1</b>
33132	Ferrosilicon -----	(D)	(D)	(X)
33133	Ferrosilicon -----	294.6	287.2	1
33134	Other ferroalloys -----	(D)	(D)	(X)
33130	Electrometallurgical products, n.s.k. -----	14.3	8.1	1
<b>3315—</b>	<b>Steel wire and related products</b> -----	<b>4 930.4</b>	<b>4 440.7</b>	<b>1</b>
33151	Noninsulated ferrous wire rope, cable, and strand (made in wiredrawing plants) (see also code 34961) <sup>2 3</sup> -----	955.8	981.6	3
33152	Steel nails, staples, tacks, spikes, and brads <sup>3</sup> -----	707.4	648.5	1
33155	Steel wire (not made in steel mills) (see also code 33125) <sup>2 3</sup> -----	1 981.5	1 652.2	2
33156	Fencing and fence gates (made in wiredrawing plants) (see also code 34966) <sup>2 3</sup> -----	373.8	359.0	1
33157	Ferrous wire cloth and other ferrous woven wire products (made in wiredrawing plants) (see also code 34964) <sup>2</sup> -----	109.9	105.7	6
33159	Other fabricated ferrous wire products (except springs) (made in wiredrawing plants) (see also code 34968) <sup>2</sup> -----	654.1	591.9	1
33150	Steel wire and related products, n.s.k. -----	147.9	101.8	2
<b>3316—</b>	<b>Cold-finishing of steel shapes</b> -----	<b>5 262.8</b>	<b>4 580.4</b>	<b>2</b>
33167	Cold-rolled steel sheet and strip (not made in steel mills) (see also code 33127) <sup>2 3</sup> -----	3 768.5	3 318.5	1
33168	Cold-finished steel bars and bar shapes (not made in steel mills) (see also code 33128) <sup>2 3</sup> -----	1 340.9	1 171.4	5
33160	Cold-finishing of steel shapes, n.s.k. -----	153.4	90.5	3
<b>3317—</b>	<b>Steel pipe and tubes</b> -----	<b>5 225.5</b>	<b>4 903.7</b>	<b>3</b>
33170	Steel pipe and tubes (not made in steel mills) (see also code 33126) <sup>2 3</sup> -----	5 225.5	4 903.7	3
<b>3321—</b>	<b>Gray and ductile iron foundries</b> -----	<b>8 292.4</b>	<b>7 476.5</b>	<b>1</b>
33211	Ductile iron pressure pipe and fittings -----	1 087.1	1 125.5	1
33212	Other ductile iron castings -----	1 974.4	1 727.2	1
33216	Molds and stools for heavy steel ingots -----	135.9	112.1	4
33217	Cast iron pressure pipe and fittings -----	50.7	46.8	6
33218	Cast iron soil pipe and fittings (including special fittings) -----	219.2	189.1	4
33219	Other gray iron castings -----	4 425.9	3 961.5	1
33210	Gray and ductile iron foundries, n.s.k. -----	399.3	314.2	5
<b>3322—</b>	<b>Malleable iron foundries</b> -----	<b>309.9</b>	<b>301.9</b>	<b>2</b>
33221	Standard malleable iron castings -----	185.4	188.7	4
33222	Pearlitic malleable iron castings -----	115.5	105.5	1
33220	Malleable iron foundries, n.s.k. -----	9.0	7.7	5
<b>3324—</b>	<b>Steel investment foundries</b> -----	<b>1 580.4</b>	<b>1 632.0</b>	<b>1</b>
33240	Steel investment castings -----	1 580.4	1 632.0	1
<b>3325—</b>	<b>Steel foundries, n.e.c.</b> -----	<b>2 117.6</b>	<b>1 971.1</b>	<b>1</b>
33252	Carbon steel castings, except investment -----	944.4	879.8	1
33254	High alloy steel castings, except investment -----	482.1	433.8	4
33255	Other alloy steel castings, except investment -----	474.3	445.5	2
33250	Steel foundries, n.e.c., n.s.k. -----	216.8	211.9	2
<b>3331—</b>	<b>Primary copper</b> -----	<b>4 724.9</b>	<b>4 824.7</b>	<b>2</b>
33311	Copper smelter products -----	1 917.2	1 907.3	1
33312	Refined primary copper and copper-base alloy (see also code 33412) <sup>2</sup> -----	2 805.6	2 915.2	4
33310	Primary copper, n.s.k. -----	2.1	2.2	1
<b>3334—</b>	<b>Primary aluminum</b> -----	<b>4 558.5</b>	<b>5 020.8</b>	<b>1</b>
33347	Aluminum ingot (produced in primary aluminum reduction plants) (see also codes 33417 and 33533) <sup>2</sup> -----	3 385.2	4 032.3	1
33348	Aluminum extrusion billet (produced in primary aluminum reduction plants) (see also codes 33418 and 33534) <sup>2</sup> -----	1 142.8	985.7	1
33340	Primary aluminum, n.s.k. -----	30.5	2.7	49
<b>3339—</b>	<b>Primary nonferrous metals, n.e.c.</b> -----	<b>2 788.1</b>	<b>2 873.1</b>	<b>1</b>
33391	Zinc residues and other zinc smelter products -----	(D)	(D)	(X)
33392	Refined primary zinc (see also code 33414) <sup>2</sup> -----	(D)	(D)	(X)
33395	Precious metals and precious metal alloys (see also code 33415) <sup>2</sup> -----	889.0	698.4	1
33398	Other primary nonferrous metals, n.e.c. -----	1 356.9	1 555.7	1
33390	Primary nonferrous metals, n.e.c., n.s.k. -----	143.0	121.3	2
<b>3341—</b>	<b>Secondary nonferrous metals</b> -----	<b>5 573.7</b>	<b>5 892.0</b>	<b>3</b>
33412	Copper (see also code 33312) <sup>2</sup> -----	695.6	838.9	4
33413	Lead -----	479.3	574.3	6
33414	Zinc (see also code 33392) <sup>2</sup> -----	354.7	370.7	1
33415	Precious metals and precious metal alloys (see also code 33395) <sup>2</sup> -----	1 382.0	1 321.2	4
33416	Other secondary nonferrous metals -----	95.3	106.7	3
33417	Aluminum ingot (produced by secondary smelters) (see also codes 33347 and 33553) <sup>2</sup> -----	2 061.2	1 979.9	6
33418	Aluminum extrusion billet (produced by secondary smelters) (see also codes 33348 and 33554) <sup>2</sup> -----	129.8	143.8	10
33410	Secondary nonferrous metals, n.s.k. -----	375.7	556.4	18

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>33</b>	<b>PRIMARY METAL INDUSTRIES—Con.</b>			
<b>3351—</b>	<b>Copper rolling and drawing</b> .....	<b>5 369.9</b>	<b>5 501.6</b>	<b>3</b>
33511	Copper wire, bare and tinned (nonelectrical) .....	380.9	227.9	40
33513	Copper and copper-base alloy rod, bar, and shapes .....	2 105.4	2 312.1	1
33514	Copper and copper-base alloy sheet, strip, and plate .....	1 256.6	1 352.3	3
33515	Copper and copper-base alloy pipe and tube .....	1 535.7	1 534.7	3
33510	Copper rolling and drawing, n.s.k. ....	91.4	74.6	5
<b>3353—</b>	<b>Aluminum sheet, plate, and foil</b> .....	<b>8 899.3</b>	<b>9 486.2</b>	<b>1</b>
33531	Aluminum plate (thickness of 0.25 inches or more) (including continuous cast) .....	503.1	579.8	1
33532	Aluminum sheet and strip (including continuous cast) .....	7 643.5	8 213.5	1
33533	Plain aluminum foil .....	(D)	(D)	(X)
33534	Aluminum welded tube .....	(D)	(D)	(X)
33530	Aluminum sheet, plate, and foil, n.s.k. ....	83.8	—	61
<b>3354—</b>	<b>Aluminum extruded products</b> .....	<b>3 792.6</b>	<b>3 708.3</b>	<b>2</b>
33541	Extruded aluminum rod, bar, and other extruded shapes .....	3 033.7	2 971.6	2
33542	Extruded and drawn aluminum tube .....	568.0	538.8	2
33540	Aluminum extruded products, n.s.k. ....	190.8	197.9	7
<b>3355—</b>	<b>Aluminum rolling and drawing, n.e.c.</b> .....	<b>1 054.3</b>	<b>1 078.0</b>	<b>1</b>
33551	Aluminum and aluminum-base alloy wire and cable, except covered or insulated (produced in aluminum rolling mills) (see also code 33571) <sup>2</sup> .....	(D)	(D)	(X)
33552	Rolled aluminum rod, bar (including continuous cast) .....	(D)	(D)	(X)
33553	Aluminum ingot (produced in aluminum rolling mills) (see also codes 33347 and 33417) <sup>2 4</sup> .....	382.4	413.2	1
33554	Aluminum extrusion billet (produced in aluminum rolling mills) (see also codes 33348 and 33418) <sup>2 4</sup> .....	162.8	152.4	1
33550	Aluminum rolling and drawing, n.e.c., n.s.k. ....	57.2	53.1	1
<b>3356—</b>	<b>Nonferrous rolling and drawing, n.e.c.</b> .....	<b>2 742.0</b>	<b>2 592.5</b>	<b>2</b>
33561	Nickel and nickel-base alloy mill shapes (including nickel-copper alloys) .....	597.8	682.3	5
33562	Titanium and titanium-base alloy mill shapes (excluding wire) .....	475.3	501.6	2
33563	Precious metal mill shapes .....	603.3	532.2	5
33569	All other nonferrous metal mill shapes .....	899.2	735.6	3
33560	Nonferrous rolling and drawing, n.e.c., n.s.k. ....	166.5	140.7	3
<b>3357—</b>	<b>Nonferrous wiredrawing and insulating</b> .....	<b>12 834.0</b>	<b>12 300.1</b>	<b>1</b>
33571	Aluminum and aluminum-base alloy wire and cable, except covered or insulated (produced in nonferrous wiredrawing plants) (see also code 33551) <sup>2</sup> .....	365.8	383.5	1
33572	Copper and copper-base alloy wire, strand, and cable, (for electrical transmission) .....	597.6	593.7	2
33573	Other bare nonferrous metal wire, made in nonferrous wiredrawing plants .....	185.1	133.6	2
33575	Nonferrous wire cloth and other woven wire products (made in nonferrous wiredrawing plants) (see also code 34965) <sup>2</sup> .....	(D)	(D)	(X)
33576	Apparatus wire and cord and flexible cord sets (see also code 34966) <sup>2 3</sup> .....	673.4	817.9	1
33577	Magnet wire <sup>3</sup> .....	1 005.7	1 047.4	1
33578	Power wire and cable <sup>3</sup> .....	1 275.7	1 236.7	1
33579	Fiber optic cable <sup>3</sup> .....	1 298.7	1 068.3	1
3357A	Electronic wire and cable <sup>3</sup> .....	1 955.5	1 823.4	2
3357B	Telephone and telegraph wire and cable <sup>3</sup> .....	1 611.7	1 541.6	1
3357C	Control and signal wire and cable <sup>3</sup> .....	381.8	386.0	3
3357D	Building wire and cable <sup>3</sup> .....	2 085.2	2 028.9	1
3357E	Other wire and cable, n.e.c. <sup>3</sup> .....	815.8	693.0	4
33570	Nonferrous wiredrawing and insulating, n.s.k. ....	(D)	(D)	(X)
<b>3363—</b>	<b>Aluminum die-castings</b> .....	<b>2 729.4</b>	<b>2 547.4</b>	<b>2</b>
33630	Aluminum and aluminum-base alloy die-castings .....	2 729.4	2 547.4	2
<b>3364—</b>	<b>Nonferrous die-castings, except aluminum</b> .....	<b>1 270.6</b>	<b>1 087.2</b>	<b>3</b>
33640	Nonferrous die-castings (except aluminum) .....	1 270.6	1 087.2	3
<b>3365—</b>	<b>Aluminum foundries</b> .....	<b>2 092.8</b>	<b>1 873.4</b>	<b>2</b>
33650	Aluminum and aluminum-base alloy castings (except die-castings) .....	2 092.8	1 873.4	2
<b>3366—</b>	<b>Copper foundries</b> .....	<b>695.4</b>	<b>750.4</b>	<b>5</b>
33660	Copper and copper-base alloy castings (except die-castings) .....	695.4	750.4	5
<b>3369—</b>	<b>Nonferrous foundries, n.e.c.</b> .....	<b>450.8</b>	<b>462.8</b>	<b>4</b>
33690	Other nonferrous castings, n.e.c. (except die-castings) .....	450.8	462.8	4
<b>3398—</b>	<b>Metal heat treating</b> .....	<b>1 918.2</b>	<b>1 879.3</b>	<b>6</b>
33980	Heat treating of metal for the trade <sup>4</sup> .....	1 918.2	1 879.3	6
<b>3399—</b>	<b>Primary metal products, n.e.c.</b> .....	<b>1 883.8</b>	<b>1 790.1</b>	<b>4</b>
33991	Metal powders, paste, and flakes .....	1 231.2	1 213.9	3
33992	Primary metal products, n.e.c. ....	399.8	409.9	2
33990	Primary metal products, n.e.c., n.s.k. ....	252.7	166.3	21
<b>34</b>	<b>FABRICATED METAL PRODUCTS</b>			
<b>3411—</b>	<b>Metal cans</b> .....	<b>11 095.3</b>	<b>11 665.0</b>	<b>1</b>
34111	Steel cans and tinware products .....	4 584.6	4 775.0	1
34112	Aluminum cans .....	6 337.7	6 746.8	1
34110	Metal cans, n.s.k. ....	173.0	143.2	1
<b>3412—</b>	<b>Metal barrels, drums, and pails</b> .....	<b>1 102.0</b>	<b>1 116.2</b>	<b>2</b>
34121	Steel pails .....	214.8	257.3	3
34122	Steel shipping barrels and drums (more than 12 gallon capacity) <sup>3</sup> .....	760.7	753.8	2
34123	All other metal barrels .....	53.0	55.1	4
34120	Metal barrels, drums, and pails, n.s.k. ....	73.6	50.0	6
<b>3421—</b>	<b>Cutlery</b> .....	<b>1 635.7</b>	<b>1 473.8</b>	<b>1</b>
34211	Cutlery, scissors, shears, trimmers, and snips .....	609.9	632.0	3
34212	Razor blades and razors, except electric .....	974.5	803.9	1
34210	Cutlery, n.s.k. ....	51.3	37.9	1

See footnotes at end of table.

## 2-22 VALUE OF PRODUCT SHIPMENTS

## ANNUAL SURVEY OF MANUFACTURES

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>34</b>	<b>FABRICATED METAL PRODUCTS—Con.</b>			
<b>3423—</b>	<b>Hand and edge tools, n.e.c.</b>	<b>4 104.5</b>	<b>3 657.6</b>	<b>2</b>
34231	Mechanics' hand service tools	1 706.5	1 607.0	3
34234	Edge tools, hand-operated	321.8	306.5	3
34235	Dies and interchangeable cutting tools, for machines and power-driven handtools	694.2	573.0	8
34236	Other handtools, n.e.c.	942.8	934.2	2
34230	Hand and edge tools, n.e.c., n.s.k.	439.1	236.9	2
<b>3425—</b>	<b>Saw blades and handsaws</b>	<b>823.1</b>	<b>716.0</b>	<b>14</b>
34250	Handsaws, saw blades (hand and power), and saw accessories	823.1	716.0	14
<b>3429—</b>	<b>Hardware, n.e.c.</b>	<b>8 846.0</b>	<b>8 458.2</b>	<b>1</b>
34292	Furniture hardware (excluding cabinet hardware)	727.7	702.5	1
34293	Vacuum and insulated bottles, jugs, and chests (D)	(D)	(D)	(X)
34294	Builders' hardware	3 505.7	3 426.2	1
34296	Motor vehicle hardware	2 674.6	2 562.0	1
34297	Other transportation equipment hardware (except motor vehicle hardware) (D)	(D)	(D)	(X)
34298	Other hardware, n.e.c.	773.7	812.3	3
34290	Hardware, n.e.c., n.s.k.	739.2	439.2	6
<b>3431—</b>	<b>Metal sanitary ware</b>	<b>708.5</b>	<b>721.4</b>	<b>5</b>
34310	Metal plumbing fixtures	708.5	721.4	5
<b>3432—</b>	<b>Plumbing fixture fittings and trim</b>	<b>2 785.8</b>	<b>2 553.0</b>	<b>2</b>
34321	Single lever controls, two or three handle bath or shower fittings, and anti-scaud bath or shower valves (brass goods)	886.0	791.3	1
34322	Lavatory and sink fittings (except single control), including drains and overflows (brass goods)	607.7	578.8	2
34323	Miscellaneous plumbing fixtures, fittings, and trim (brass goods)	1 053.7	995.2	4
34320	Plumbing fixture fittings and trim, n.s.k.	238.4	187.7	2
<b>3433—</b>	<b>Heating equipment, except electric</b>	<b>2 329.3</b>	<b>2 270.9</b>	<b>2</b>
34333	Cast iron heating boilers, radiators, and convectors, except parts	349.0	331.0	3
34334	Domestic heating stoves, except electric (excluding parts)	343.3	345.1	5
34335	Steel heating boilers (15 p.s.i. or less), and all hot water heating boilers, excluding parts	136.9	126.2	5
34338	Floor and wall furnaces, unit heaters, infrared heaters, and mechanical stokers	359.6	363.4	1
34339	Other heating equipment, except electric, (including parts for nonelectric heating equipment and oil burners)	817.4	799.2	3
34330	Heating equipment, except electric, n.s.k.	323.2	306.0	1
<b>3441—</b>	<b>Fabricated structural metal</b>	<b>8 466.4</b>	<b>8 061.3</b>	<b>2</b>
34411	Fabricated structural metal for buildings	4 182.5	4 261.4	3
34412	Fabricated structural metal for bridges	464.9	503.0	5
34413	Other fabricated structural metal	2 146.5	2 020.2	3
34410	Fabricated structural metal, n.s.k.	1 672.6	1 276.7	2
<b>3442—</b>	<b>Metal doors, sash, and trim</b>	<b>6 548.2</b>	<b>6 412.3</b>	<b>2</b>
34421	Metal doors and frames (except storm doors)	3 304.0	3 048.4	2
34422	Metal window sash and frames (except storm sash)	1 462.6	1 549.2	2
34423	Metal molding and trim and store fronts	293.0	311.4	9
34424	Metal combination screen, storm sash, and storm doors	462.5	390.6	9
34425	Metal window and door screens, (except combination) and metal weather strip	255.2	254.4	6
34420	Metal doors, sash, and trim, n.s.k.	771.0	858.3	3
<b>3443—</b>	<b>Fabricated plate work (boiler shops)</b>	<b>8 591.0</b>	<b>8 491.8</b>	<b>2</b>
34431	Heat exchangers and steam condensers (except for nuclear applications)	1 519.0	1 626.9	3
34432	Fabricated steel plate (stacks and weldments)	1 568.1	1 573.6	4
34433	Steel power boilers, parts, and attachments (stationary and marine but excluding nuclear applications)	799.9	793.1	2
34434	Gas cylinders	323.7	355.5	9
34435	Metal tanks, complete at factory (standard line pressure)	471.9	488.9	2
34436	Nuclear reactor steam supply systems	208.3	239.7	3
34437	Metal tanks, complete at factory (standard line nonpressure)	413.3	466.4	5
34438	Metal tanks and vessels, custom fabricated at the factory	1 075.1	1 079.3	4
34439	Metal tanks and vessels, custom fabricated and field erected	693.2	757.7	5
34430	Fabricated plate work (boiler shops), n.s.k.	1 518.5	1 110.6	3
<b>3444—</b>	<b>Sheet metal work</b>	<b>11 167.2</b>	<b>10 650.6</b>	<b>2</b>
34441	Air-conditioning ducts and stove pipe	1 041.6	1 024.2	8
34442	Culverts, flumes, irrigation pipes, etc.	432.5	328.0	14
34443	Bins and vats	191.5	209.7	7
34444	Metal roofing and roof drainage equipment	1 274.8	1 134.0	4
34445	Metal flooring and siding	877.2	840.7	4
34447	Metal awnings, canopies, cornices, and soffits	512.1	493.2	7
34448	Electronic enclosures	1 877.2	1 661.3	5
34449	Other sheet metal work	3 444.0	2 845.0	3
34440	Sheet metal work, n.s.k.	1 516.5	2 114.3	1
<b>3446—</b>	<b>Architectural metal work</b>	<b>2 429.7</b>	<b>2 411.7</b>	<b>3</b>
34461	Grilles, registers, and air diffusers	346.6	321.5	4
34462	Stairs, railings, fences, and gates (other than wire)	482.7	557.0	7
34463	Open flooring, grating, and studs	323.0	318.5	4
34464	Scaffolding; shoring and forming for concrete work	211.0	236.9	3
34465	Other architectural and ornamental work	644.4	650.2	7
34460	Architectural metal work, n.s.k.	422.0	327.4	1
<b>3448—</b>	<b>Prefabricated metal buildings</b>	<b>2 946.6</b>	<b>2 637.6</b>	<b>8</b>
34481	Prefabricated metal building systems (excluding farm service buildings, residential buildings, and parts)	2 143.0	1 694.7	10
34482	Other prefabricated and portable metal buildings and parts	458.4	717.8	5
34480	Prefabricated metal buildings, n.s.k.	345.2	225.2	10
<b>3449—</b>	<b>Miscellaneous metal work</b>	<b>3 622.8</b>	<b>3 197.7</b>	<b>4</b>
34494	Fabricated bar joists and concrete reinforcing bars	1 043.8	997.0	4
34496	Metal plaster bases	70.2	68.2	17
34497	Curtain wall	237.7	226.4	10
34498	Custom roll form products	1 887.7	1 567.5	3
34490	Miscellaneous metal work, n.s.k.	383.4	338.5	2

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>34</b>	<b>FABRICATED METAL PRODUCTS—Con.</b>			
<b>3451—</b>	<b>Screw machine products</b>	<b>3 986.2</b>	<b>3 660.3</b>	<b>4</b>
34511	Automotive screw machine products and turned parts (nonstandard items made from rod, bar, or tube stock)	1 076.7	1 100.0	4
34512	Other screw machine products and turned parts (nonstandard items made from rod, bar, or tube stock)	2 542.7	2 141.4	5
34510	Screw machine products, n.s.k.	366.8	418.9	4
<b>3452—</b>	<b>Bolts, nuts, screws, rivets, and washers</b>	<b>5 041.6</b>	<b>4 843.8</b>	<b>2</b>
34524	Externally threaded metal fasteners, except aircraft types	2 088.3	2 013.6	3
34525	Internally threaded metal fasteners, except aircraft types	603.9	556.6	3
34526	Nonthreaded metal fasteners, except aircraft types	694.0	666.7	3
34527	Aircraft (including aerospace) fasteners other than plastics (meet specifications for flying vehicles)	627.2	767.5	2
34528	Other formed parts not made of plastics, made on fastener machines	605.9	535.5	3
34520	Bolts, nuts, rivets, and washers, n.s.k.	422.4	303.9	1
<b>3462—</b>	<b>Iron and steel forgings</b>	<b>3 246.1</b>	<b>3 175.8</b>	<b>3</b>
34625	Hot impression die impact, press, and upset steel forgings	2 073.8	2 132.7	2
34626	Cold impression die impact, press, and upset steel forgings	329.2	255.3	8
34627	Seamless rolled ring forgings, ferrous (not made in steel mills)	174.1	198.1	5
34628	Open die or smith forgings (hammer or press), ferrous (not made in steel mills)	352.4	330.1	22
34620	Iron and steel forgings, n.s.k.	316.7	259.5	2
<b>3463—</b>	<b>Nonferrous forgings</b>	<b>1 387.6</b>	<b>1 191.4</b>	<b>7</b>
34635	Hot impression die impact, press, and upset nonferrous forgings	1 075.0	963.8	5
34639	Other nonferrous forgings	232.0	131.5	34
34630	Nonferrous forgings, n.s.k.	80.6	96.1	2
<b>3465—</b>	<b>Automotive stampings</b>	<b>17 905.7</b>	<b>15 874.4</b>	<b>1</b>
34650	Job stampings, automotive	17 905.7	15 874.4	1
<b>3466—</b>	<b>Crowns and closures</b>	<b>837.1</b>	<b>811.0</b>	<b>2</b>
34661	Metal commercial closures and metal home-canning closures, except crowns	(D)	(D)	(X)
34662	Metal crowns	(D)	(D)	(X)
34660	Crowns and closures, n.s.k.	29.4	9.0	1
<b>3469—</b>	<b>Metal stampings, n.e.c.</b>	<b>9 806.5</b>	<b>9 003.2</b>	<b>2</b>
34692	Job stampings, except automotive	5 418.9	5 030.3	3
34694	Stamped and spun utensils, cooking and kitchen, aluminum	541.5	549.4	1
34695	Stamped and spun utensils, cooking and kitchen, except aluminum	465.6	496.0	3
34696	Metal spinning products	98.9	109.5	5
34699	Other stamped and pressed metal end products, including vitreous enameled products	1 918.9	1 814.2	4
34690	Metal stampings, n.e.c., n.s.k.	1 362.7	1 003.8	2
<b>3471—</b>	<b>Plating and polishing</b>	<b>5 030.1</b>	<b>4 488.5</b>	<b>5</b>
34710	Electroplating, plating, and polishing	5 030.1	4 488.5	5
<b>3479—</b>	<b>Metal coating and allied services</b>	<b>5 935.4</b>	<b>5 137.9</b>	<b>3</b>
34790	Etching, engraving, coating, and allied services	5 935.4	5 137.9	3
<b>3482—</b>	<b>Small arms ammunition</b>	<b>939.7</b>	<b>962.4</b>	<b>1</b>
34820	Small arms ammunition, 30 mm or less (or 1.18 inches or less) for small firearms (rifles, shotguns, and sidearms)	939.7	962.4	1
<b>3483—</b>	<b>Ammunition, except for small arms, n.e.c.</b>	<b>1 773.6</b>	<b>2 361.5</b>	<b>1</b>
34831	Artillery ammunition, more than 30 mm (or more than 1.18 inches)	916.0	1 028.4	1
34833	Ammunition, except for small arms, n.e.c.	849.0	1 328.4	1
34830	Ammunition, except for small arms, n.e.c., n.s.k.	8.7	4.7	1
<b>3484—</b>	<b>Small arms</b>	<b>1 349.1</b>	<b>1 273.3</b>	<b>2</b>
34841	Machine guns, 30 mm or less (or 1.18 inches or less)	203.5	256.2	1
34842	Small arms, 30 mm or less (or 1.18 inches or less)	1 046.9	949.6	3
34840	Small arms, n.s.k.	98.7	67.5	3
<b>3489—</b>	<b>Ordnance and accessories, n.e.c.</b>	<b>805.2</b>	<b>811.9</b>	<b>2</b>
34891	Guns, howitzers, mortars, and related equipment, more than 30 mm (or more than 1.18 inches)	388.0	354.3	1
34892	Ordnance and accessories, n.e.c.	402.8	446.6	4
34890	Ordnance and accessories, n.e.c., n.s.k.	14.3	11.0	1
<b>3491—</b>	<b>Industrial valves</b>	<b>6 466.7</b>	<b>6 127.2</b>	<b>2</b>
34911	Gates, globes, angles, straightway (Y-type) checks, stop and check, cross, 3- and 4-way, etc.	1 148.0	1 164.1	6
34912	Valves for water works and municipal equipment (IBBW, AWWA, and UL)	548.4	546.2	5
34913	Ball valves (all metals, pressures, and types), including manual and power-operated, on/off valves	917.8	941.5	1
34914	Butterfly valves (all metals, pressures, and types), including manual and power-operated, on/off valves	393.6	368.1	3
34915	Plug valves (all metals, pressures, and types), such as lubricated, cylindrical eccentric, and sleeve-lined	257.9	274.6	3
34916	Industrial valves, n.e.c.	779.6	641.9	2
34917	Nuclear valves (N-stamp only)	87.2	100.8	1
34918	Automatic valves (regulating and control type) and parts (except nuclear) <sup>3</sup>	1 671.7	1 530.8	1
34919	Solenoid-operated valves and parts, except nuclear and fluid power transfer <sup>3</sup>	394.0	393.4	1
34910	Industrial valves, n.s.k.	268.5	165.8	6
<b>3492—</b>	<b>Fluid power valves and hose fittings</b>	<b>3 284.2</b>	<b>3 283.4</b>	<b>2</b>
3492A	Aerospace-type hydraulic fluid power valves <sup>3</sup>	229.5	357.4	14
3492B	Aerospace-type pneumatic fluid power valves <sup>3</sup>	88.8	108.7	2
3492C	Nonaerospace-type hydraulic directional control valves <sup>3</sup>	385.9	319.0	6
3492D	Nonaerospace-type hydraulic valves, except directional control <sup>3</sup>	257.8	277.7	3
3492E	Nonaerospace-type pneumatic directional control valves <sup>3</sup>	331.0	324.9	7
3492F	Nonaerospace-type pneumatic valves, except directional control <sup>3</sup>	141.6	146.2	2
3492G	Parts for fluid power valves <sup>3</sup>	143.3	137.0	6
3492H	Aerospace-type hydraulic and pneumatic hose or tube end fittings and assemblies <sup>3</sup>	313.0	359.2	2
3492J	Nonaerospace-type flared (metal) fittings, couplings for, and assemblies of tubing used in fluid power transfer systems <sup>3</sup>	205.6	191.3	6
3492K	Nonaerospace-type flareless fittings and couplings (including nonmetal fittings) used in fluid power transfer systems <sup>3</sup>	349.9	339.9	1
3492M	Nonaerospace-type hydraulic and pneumatic fittings and couplings for hose <sup>3</sup>	439.0	408.7	1
3492N	Nonaerospace-type hydraulic and pneumatic assemblies of hose <sup>3</sup>	241.3	199.1	3
34920	Fluid power valves and hose fittings, n.s.k.	157.4	114.4	3

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>34</b>	<b>FABRICATED METAL PRODUCTS—Con.</b>			
<b>3493—</b>	<b>Steel springs, except wire -----</b>	<b>498.0</b>	<b>466.0</b>	<b>5</b>
34931	Hot formed springs -----	246.3	246.3	5
34932	Cold formed springs -----	217.5	197.4	9
34930	Steel springs, except wire, n.s.k. -----	34.1	22.3	2
<b>3494—</b>	<b>Valves and pipe fittings, n.e.c. -----</b>	<b>1 974.6</b>	<b>1 962.6</b>	<b>2</b>
34944	Plumbing and heating valves and specialties, except plumbers' brass goods -----	346.2	362.5	1
34945	Metal fittings, flanges, and unions for piping systems -----	1 322.7	1 356.5	2
34940	Valves and pipe fittings, n.e.c., n.s.k. -----	305.7	243.7	2
<b>3495—</b>	<b>Wire springs -----</b>	<b>1 858.6</b>	<b>1 534.0</b>	<b>5</b>
34952	Precision mechanical springs -----	770.4	653.5	11
34953	Other wire springs -----	885.4	748.7	5
34950	Wire springs, n.s.k. -----	202.8	131.7	3
<b>3496—</b>	<b>Miscellaneous fabricated wire products -----</b>	<b>3 751.7</b>	<b>3 466.6</b>	<b>2</b>
34961	Noninsulated ferrous wire rope, cable, and strand (not made in wiredrawing plants) (see also code 33151) <sup>2</sup> -----	472.0	447.9	10
34964	Ferrous wire cloth and other ferrous woven wire products (not made in wiredrawing plants) (see also code 33157) <sup>2</sup> -----	205.9	179.6	9
34965	Nonferrous wire cloth and other woven wire products (not made in wiredrawing plants) (see also code 33575) <sup>2</sup> -----	123.0	145.8	19
34966	Fencing and fence gates (not made in wiredrawing plants) (see also code 33576) <sup>2</sup> -----	138.2	140.3	3
34968	Other fabricated ferrous wire products (except springs) (not made in wiredrawing plants) (see also code 33159) <sup>2</sup> -----	2 444.7	2 323.2	2
34960	Miscellaneous fabricated wire products, n.s.k. -----	368.0	229.6	5
<b>3497—</b>	<b>Metal foil and leaf -----</b>	<b>2 988.1</b>	<b>2 889.4</b>	<b>2</b>
34971	Converted unmounted aluminum foil packaging products -----	836.1	887.0	2
34972	Laminated aluminum foil rolls and sheets for flexible packaging uses -----	1 442.6	1 400.1	1
34973	Converted foil for nonpackaging applications and foil and leaf -----	650.1	588.6	5
34970	Metal foil and leaf, n.s.k. -----	59.4	13.6	2
<b>3498—</b>	<b>Fabricated pipe and fittings -----</b>	<b>2 916.8</b>	<b>2 755.3</b>	<b>3</b>
34980	Fabricated pipe and pipe fittings made from purchased pipe -----	2 916.8	2 755.3	3
<b>3499—</b>	<b>Fabricated metal products, n.e.c. -----</b>	<b>7 109.8</b>	<b>6 544.3</b>	<b>2</b>
34991	Safes and vaults -----	208.1	163.2	5
34992	Collapsible tubes -----	44.7	56.0	23
34993	Flat metal strapping -----	302.6	298.5	1
34995	Metal ladders -----	284.7	252.2	2
34996	Powder metallurgy parts, excluding bearings, gears, and machine cutting tools and all cemented carbide parts -----	868.9	883.6	5
34998	All other fabricated metal products, n.e.c. -----	3 426.1	3 287.4	3
34990	Fabricated metal products, n.e.c., n.s.k. -----	1 974.7	1 603.5	2
<b>35</b>	<b>INDUSTRIAL MACHINERY AND EQUIPMENT</b>			
<b>3511—</b>	<b>Turbines, turbine generators, and turbine generator sets -----</b>	<b>6 347.9</b>	<b>5 998.5</b>	<b>1</b>
35110	Turbine generator sets, turbines, turbine generators, and parts -----	6 347.9	5 998.5	1
<b>3519—</b>	<b>Internal combustion engines, n.e.c. -----</b>	<b>12 518.4</b>	<b>11 633.8</b>	<b>1</b>
35191	Gasoline and gas-gasoline engines (except aircraft, automobile, highway truck, bus, tank, and outboard marine) -----	1 647.4	1 550.4	1
35193	Diesel, semidiesel, and dual-fuel engines (except automobile, highway truck, bus, and tank) -----	1 390.4	1 487.4	1
35194	Diesel, semidiesel, and dual-fuel engines for automobiles, highway trucks, and buses -----	4 314.4	3 165.7	1
35195	Outboard motors (internal combustion) -----	(D)	(D)	(X)
35196	Piston-type natural gas engines, including LPG engines (excluding gas turbines) -----	213.3	175.5	1
35197	Tank (except gas turbine) and converted internal combustion engines -----	(D)	(D)	(X)
35199	Parts and accessories for internal combustion engines, except aircraft and gasoline automotive engines and gas turbines -----	3 639.9	3 852.3	1
35190	Internal combustion engines, n.e.c., n.s.k. -----	174.5	182.3	1
<b>3523—</b>	<b>Farm machinery and equipment -----</b>	<b>10 346.6</b>	<b>8 924.6</b>	<b>1</b>
35231	Farm-type (power take off hp) wheel tractors (2- and 4-wheel drive) (sold with or without attachments) -----	(D)	(D)	(X)
35232	Farm dairy equipment, sprayers and dusters (except aerial types), farm elevators, and farm blowers -----	478.0	382.1	4
35233	Planting, seeding, and fertilizing machinery, excluding turf machinery -----	692.8	520.8	6
35235	Harvesting machinery, except hay and straw -----	1 626.4	1 564.5	1
35236	Haying machinery -----	507.6	434.8	1
3523C	Plows, including plowshares (primary tillage), harrows, rollers, pulverizers, and cultivators and weeders -----	271.8	267.7	4
3523E	All other farm machinery and equipment (excluding parts) -----	(D)	(D)	(X)
35239	Parts for farm machinery, for sale separately -----	1 593.2	1 473.9	1
3523F	Commercial turf and grounds care equipment -----	841.1	834.0	2
35230	Farm machinery and equipment, n.s.k. -----	1 206.6	625.7	1
<b>3524—</b>	<b>Lawn and garden equipment -----</b>	<b>4 886.1</b>	<b>4 348.6</b>	<b>1</b>
35241	Consumer nonriding lawn, garden, and snow equipment -----	2 152.4	1 946.0	1
35244	Consumer riding lawn, garden, and snow equipment -----	1 911.2	1 645.0	1
35246	Parts and attachments for consumer lawn, garden, and snow equipment -----	687.6	637.2	2
35240	Lawn and garden equipment, n.s.k. -----	134.9	120.5	1

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>35</b>	<b>INDUSTRIAL MACHINERY AND EQUIPMENT—Con.</b>			
<b>3531—</b>	<b>Construction machinery</b> -----	<b>14 445.0</b>	<b>12 391.7</b>	<b>1</b>
3531A	Wheel tractors, contractors' off-highway (2- and 4-wheel), rubber-tired dozers, and self-propelled wheeled log skidders <sup>3</sup> -----	415.5	412.6	1
3531B	Crawler tractors, 20 net engine horsepower rating or more (sold with or without attachments) (excluding parts) <sup>3</sup> -----	929.8	771.3	1
3531C	Tractor shovel loaders (sold with or without attachments) (excluding parts) <sup>3</sup> -----	2 595.4	1 836.7	4
3531E	Power cranes, draglines, and shovels (excavators) (including surface mining equipment and attachments) (excluding parts) <sup>3</sup> -----	1 845.6	1 656.9	2
3531F	Mixers, pavers, and related equipment (excluding parts) <sup>3</sup> -----	822.4	642.4	3
3531G	Scrapers, graders, rollers, off-highway trucks and coal haulers, trailers, wagons, rough terrain forklifts, except parts <sup>3</sup> -----	1 949.0	1 602.2	4
3531M	Parts for construction machinery and equipment, sold separately -----	2 971.9	2 934.2	2
3531N	Construction machinery for mounting on tractors and other prime movers (excluding parts and snow clearing attachments) <sup>3</sup> -----	323.5	326.0	3
3531P	Other construction machinery and equipment (excluding parts) -----	1 922.0	1 831.5	4
35310	Construction machinery, n.s.k. -----	669.7	377.9	1
<b>3532—</b>	<b>Mining machinery</b> -----	<b>1 745.0</b>	<b>1 426.9</b>	<b>8</b>
35325	Underground mining machinery (except parts sold separately) <sup>3</sup> -----	437.3	337.5	26
35326	Mineral processing and beneficiation machinery (except parts sold separately) -----	136.1	76.6	31
35327	Crushing, pulverizing, and screening machinery (excluding portable plants), except parts sold separately <sup>3</sup> -----	224.6	191.0	3
35328	Drills and other mining machinery, n.e.c. (except parts sold separately) <sup>3</sup> -----	171.3	142.2	1
35329	Parts and attachments for mining machinery and equipment (sold separately) -----	635.3	610.5	4
35320	Mining machinery, n.s.k. -----	140.5	69.1	2
<b>3533—</b>	<b>Oil and gas field machinery</b> -----	<b>2 935.7</b>	<b>2 978.2</b>	<b>2</b>
35337	Rotary oil and gas field drilling machinery and equipment -----	720.5	897.3	2
35338	Other oil and gas field drilling machinery and equipment -----	228.3	183.6	7
35339	Oil and gas field production machinery and equipment (except pumps) -----	1 190.3	1 188.3	4
3533A	Portable drilling rigs and parts -----	346.7	337.9	2
3533B	Oil and gas field derricks and well surveying machinery -----	58.1	65.7	6
35330	Oil and gas field machinery, n.s.k. -----	391.8	305.3	1
<b>3534—</b>	<b>Elevators and moving stairways</b> -----	<b>950.0</b>	<b>919.8</b>	<b>1</b>
35341	Elevators and moving stairways -----	715.1	696.4	1
35342	Parts and attachments for elevators and moving stairways (sold separately) -----	164.6	178.5	3
35340	Elevators and moving stairways, n.s.k. -----	70.2	44.8	3
<b>3535—</b>	<b>Conveyors and conveying equipment</b> -----	<b>4 069.3</b>	<b>3 618.4</b>	<b>3</b>
35353	Unit handling conveyors and conveying systems, except hoists and farm elevators -----	2 108.7	1 808.3	5
35354	Parts, attachments, and accessories for unit handling conveyors and conveying systems (sold separately) -----	156.6	142.8	5
35355	Bulk material handling conveyors and conveying systems, except hoists and farm elevators -----	1 003.3	987.0	4
35356	Parts, attachments, and accessories for bulk material handling conveyors and conveying systems (sold separately) -----	376.1	374.8	12
35350	Conveyors and conveying equipment, n.s.k. -----	424.5	305.6	2
<b>3536—</b>	<b>Hoists, cranes, and monorails</b> -----	<b>937.3</b>	<b>810.2</b>	<b>4</b>
35363	Hoists -----	445.6	380.3	6
35364	Overhead traveling cranes and monorail systems -----	414.6	379.5	5
35360	Hoists, cranes, and monorails, n.s.k. -----	77.1	50.4	1
<b>3537—</b>	<b>Industrial trucks and tractors</b> -----	<b>3 194.2</b>	<b>2 658.5</b>	<b>1</b>
35373	Industrial trucks, tractors, mobile straddle carriers and cranes, and automatic stacking machines -----	2 060.7	1 784.8	1
35374	Parts and attachments for industrial trucks and tractors (sold separately) -----	631.9	576.9	4
35370	Industrial trucks and tractors, n.s.k. -----	501.6	296.9	1
<b>3541—</b>	<b>Machine tools, metal cutting types</b> -----	<b>2 977.8</b>	<b>3 053.6</b>	<b>3</b>
3541D	Boring machines (excluding machining centers) and drilling machines (excluding machining centers) <sup>3</sup> -----	120.1	151.4	4
35413	Gear cutting machines <sup>3</sup> -----	81.8	87.4	1
35414	Grinding, polishing, buffing, honing, and lapping machines, except gear-tooth grinding, lapping, polishing, and buffing <sup>3</sup> -----	371.1	376.0	8
35415	Lathes (turning machines) <sup>3</sup> -----	385.4	329.3	9
35416	Milling machines (excluding machining centers) <sup>3</sup> -----	172.4	221.7	19
3541A	Machining centers (multifunction numerically controlled machines) <sup>3</sup> -----	462.9	454.1	2
3541B	Station type machines <sup>3</sup> -----	427.6	469.0	2
3541C	Other metal cutting machine tools (except those designed primarily for home workshops, laboratories, garages, etc.) <sup>3</sup> -----	256.1	222.1	10
35418	Machine tools designed primarily for home workshops, labs, garages, etc. (metalworking and primarily metalworking) -----	43.0	60.9	1
35419	Parts for metal cutting machine tools (sold separately) and rebuilt metal cutting machine tools -----	547.3	606.2	4
35410	Machine tools, metal cutting types, n.s.k. -----	110.0	75.4	6
<b>3542—</b>	<b>Machine tools, metal forming types</b> -----	<b>1 605.2</b>	<b>1 396.7</b>	<b>2</b>
35421	Punching and shearing machines (including power and manual) and bending and forming machines (power only) <sup>3</sup> -----	464.5	352.7	3
35422	Metalworking presses (except forging and die-stamping presses) <sup>3</sup> -----	354.4	329.6	6
35423	Other metal forming machine tools, including forging and die-stamping machines (except metalworking presses) <sup>3</sup> -----	478.7	317.7	4
35424	Parts for metal forming machine tools (sold separately) and rebuilt metal forming machine tools -----	272.6	377.9	3
35420	Machine tools, metal forming types, n.s.k. -----	35.0	18.8	2
<b>3543—</b>	<b>Industrial patterns</b> -----	<b>699.2</b>	<b>672.3</b>	<b>5</b>
35430	Industrial patterns, except shoe patterns -----	699.2	672.3	5
<b>3544—</b>	<b>Special dies, tools, jigs, and fixtures</b> -----	<b>11 001.6</b>	<b>10 252.2</b>	<b>2</b>
35441	Special dies and tools, die sets, jigs, and fixtures -----	5 297.2	5 076.3	3
35442	Industrial molds and mold boxes -----	3 741.8	3 744.7	3
35440	Special dies, tools, jigs, and fixtures, n.s.k. -----	1 962.5	1 431.3	2

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>35</b>	<b>INDUSTRIAL MACHINERY AND EQUIPMENT—Con.</b>			
<b>3545—</b>	<b>Machine tool accessories</b> -----	<b>3 803.1</b>	<b>3 619.4</b>	<b>2</b>
35451	Small cutting tools for machine tools and metalworking machinery -----	2 119.7	2 051.8	3
35454	Other attachments and accessories for machine tools and metalworking machinery -----	726.3	664.1	6
35455	Precision measuring tools (inspection, quality control, tool room, and machinists') -----	390.7	407.3	3
35450	Machine tool accessories, n.s.k. -----	566.4	496.2	1
<b>3546—</b>	<b>Power-driven handtools</b> -----	<b>3 074.2</b>	<b>2 414.5</b>	<b>2</b>
35462	Power-driven handtools, pneumatic, hydraulic, and powder-actuated -----	707.1	634.4	1
35463	Power-driven handtools, engine (internal combustion) driven -----	419.2	295.2	1
35464	Power-driven handtools, battery-powered (cordless) -----	429.4	291.4	1
35465	Power-driven handtools, electric (excluding battery-powered) -----	1 346.9	1 091.4	4
35460	Power-driven handtools, n.s.k. -----	171.6	102.2	3
<b>3547—</b>	<b>Rolling mill machinery</b> -----	<b>534.1</b>	<b>544.4</b>	<b>3</b>
35471	Hot rolling mill machinery (including combination hot and cold) (except tube rolling) -----	170.6	117.8	2
35472	Cold rolling mill machinery -----	81.3	64.9	8
35473	Other rolling mill machinery (including tube mill machinery) and parts for all rolling mill machinery -----	213.7	200.5	5
35470	Rolling mill machinery, n.s.k. -----	68.4	161.3	2
<b>3548—</b>	<b>Welding apparatus</b> -----	<b>2 742.4</b>	<b>2 422.5</b>	<b>3</b>
35481	Arc welding machines, components, and accessories (except electrodes), excluding stud welding equipment -----	1 059.7	873.9	7
35482	Arc welding electrodes, metal -----	682.8	631.7	2
35483	Resistance welders, components, accessories, and electrodes -----	352.9	270.2	5
35484	Gas welding and cutting equipment, parts, attachments, and accessories -----	281.7	252.8	2
35485	Other welding equipment, components, and accessories (excluding arc, resistance, and gas) -----	211.6	242.6	4
35480	Welding apparatus, n.s.k. -----	153.7	151.3	3
<b>3549—</b>	<b>Metalworking machinery, n.e.c.</b> -----	<b>1 612.7</b>	<b>1 475.0</b>	<b>5</b>
35492	Assembly machines -----	915.2	805.8	4
35495	Other metalworking machinery (except handheld and ultrasonic) -----	474.6	487.5	12
35490	Metalworking machinery, n.e.c., n.s.k. -----	223.0	181.7	2
<b>3552—</b>	<b>Textile machinery</b> -----	<b>1 606.8</b>	<b>1 327.6</b>	<b>7</b>
35521	Textile machinery, except parts, attachments, and accessories -----	914.5	697.0	13
35522	Parts and attachments for textile machinery -----	482.4	473.8	2
35520	Textile machinery, n.s.k. -----	209.9	156.9	5
<b>3553—</b>	<b>Woodworking machinery</b> -----	<b>869.7</b>	<b>775.3</b>	<b>4</b>
35533	Woodworking machinery, including parts, attachments, and accessories -----	548.3	479.0	5
35534	Woodworking machinery for home workshops, garages, service shops -----	183.7	181.6	1
35530	Woodworking machinery, n.s.k. -----	137.6	114.7	5
<b>3554—</b>	<b>Paper industries machinery</b> -----	<b>2 252.9</b>	<b>2 229.8</b>	<b>4</b>
35543	Paper industries machinery -----	1 385.9	1 375.4	6
35544	Parts and attachments for paper industries machinery (sold separately) -----	680.7	690.7	4
35540	Paper industries machinery, n.s.k. -----	186.3	163.7	5
<b>3555—</b>	<b>Printing trades machinery</b> -----	<b>2 328.2</b>	<b>2 301.3</b>	<b>3</b>
35551	Printing presses, offset lithographic -----	650.3	616.5	1
35552	Printing presses, other than lithographic -----	326.0	302.2	7
35553	Typesetting machinery, excluding justifying typewriters -----	176.0	133.4	18
35556	Binding machinery and equipment, including paper cutting and collating or gathering machines -----	182.7	171.0	4
35558	Printing trades machinery, n.e.c., including all parts, attachments, and accessories -----	809.6	828.0	5
35550	Printing trades machinery, n.s.k. -----	183.7	250.2	3
<b>3556—</b>	<b>Food products machinery</b> -----	<b>2 325.4</b>	<b>2 113.3</b>	<b>3</b>
35561	Dairy and milk products plant machinery and equipment, except bottling and packaging -----	287.9	261.7	5
35562	Commercial food products machinery, except packaging machinery and food cooking and warming equipment -----	788.4	750.9	4
35563	Industrial machinery and equipment for manufacturing or processing foods, beverages, and animal or fowl feed -----	882.3	814.4	5
35560	Food products machinery, n.s.k. -----	366.8	286.3	3
<b>3559—</b>	<b>Special industry machinery, n.e.c.</b> -----	<b>12 075.2</b>	<b>10 534.9</b>	<b>2</b>
35591	Chemical manufacturing machinery, equipment, and parts -----	881.9	821.5	6
35592	Foundry machinery and equipment, excluding patterns and molds -----	323.7	319.0	5
35593	Plastics working machinery and equipment, excluding patterns and molds -----	1 611.6	1 564.2	2
35594	Rubber working machinery and equipment, excluding tire molds -----	236.6	184.9	8
35595	Printed circuit board manufacturing machinery, except testing -----	568.6	541.2	4
35596	Semiconductor manufacturing equipment (except furnaces and ovens, instruments and photographs) -----	3 010.4	2 274.2	1
35597	Automotive maintenance equipment, except handtools -----	415.7	463.7	1
35598	Special industry machinery and equipment, n.e.c. -----	3 318.9	2 901.1	6
35590	Special industry machinery, n.e.c., n.s.k. -----	1 707.7	1 465.0	5
<b>3561—</b>	<b>Pumps and pumping equipment</b> -----	<b>5 014.2</b>	<b>4 603.3</b>	<b>3</b>
35611	Industrial pumps, except fluid power pumps <sup>3</sup> -----	2 440.8	2 390.7	2
35613	Domestic water systems <sup>3</sup> -----	340.9	317.6	22
35615	Pumps, n.e.c. <sup>3</sup> -----	882.2	697.6	7
35616	Parts and attachments for pumps and pumping equipment (except for hydraulic fluid power and air and gas compressors) -----	1 170.2	1 103.8	2
35610	Pumps and pumping equipment, n.s.k. -----	180.1	93.7	7
<b>3562—</b>	<b>Ball and roller bearings</b> -----	<b>4 440.2</b>	<b>4 138.6</b>	<b>1</b>
35621	Ball bearings, complete, unmounted <sup>3</sup> -----	1 639.5	1 555.1	1
35622	Tapered roller bearings (including cups and cones), unmounted <sup>3</sup> -----	1 011.2	936.1	1
35623	Roller bearings, except tapered, unmounted <sup>3</sup> -----	857.5	810.4	2
35624	Mounted bearings, except plain <sup>3</sup> -----	387.3	359.4	1
35629	Parts for ball and roller bearings, except cups and cones <sup>3</sup> -----	459.7	429.4	4
35620	Ball and roller bearings, n.s.k. -----	84.9	48.2	4

See footnotes at end of table.



Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>35</b>	<b>INDUSTRIAL MACHINERY AND EQUIPMENT—Con.</b>			
<b>3563—</b>	<b>Air and gas compressors</b> .....	<b>3 792.4</b>	<b>3 541.8</b>	<b>1</b>
35631	Air and gas compressors and vacuum pumps <sup>3</sup> .....	2 319.3	2 054.7	2
35632	Parts and attachments for air and gas compressors, except refrigeration compressors .....	729.9	735.7	2
35635	Industrial spraying equipment .....	626.2	705.0	3
35630	Air and gas compressors, n.s.k. ....	117.0	46.4	1
<b>3564—</b>	<b>Blowers and fans</b> .....	<b>3 447.9</b>	<b>2 999.9</b>	<b>3</b>
35643	Centrifugal fans and blowers (complete units only) .....	904.9	741.8	2
35644	Propeller fans and accessories, axial fans and power roof ventilators, and parts .....	642.9	621.7	8
35645	Dust collection and other air purification equipment for cleaning incoming air .....	947.9	959.1	4
35646	Dust collection and other air purification equipment for industrial gas cleaning systems (for cleaning outgoing air) .....	735.5	545.0	10
35640	Blowers and fans, n.s.k. ....	216.8	132.5	2
<b>3565—</b>	<b>Packaging machinery</b> .....	<b>3 076.5</b>	<b>2 836.7</b>	<b>5</b>
35651	Packing, packaging, and bottling machinery, except parts .....	2 326.1	2 208.0	6
35652	Parts for packing, packaging, and bottling machinery .....	520.8	427.7	4
35650	Packaging machinery, n.s.k. ....	229.6	201.0	1
<b>3566—</b>	<b>Speed changers, drives, and gears</b> .....	<b>1 930.0</b>	<b>1 693.5</b>	<b>4</b>
35660	Speed changers, industrial high-speed drives, and gears .....	1 930.0	1 693.5	4
<b>3567—</b>	<b>Industrial process furnaces and ovens</b> .....	<b>1 939.3</b>	<b>1 709.0</b>	<b>5</b>
35671	Electric industrial furnaces, ovens, and kilns (complete units only) .....	445.0	406.4	20
35674	High-frequency induction and dielectric heating equipment (complete units only) .....	158.8	155.7	6
35675	Electrical heating equipment for industrial use, n.e.c. (except soldering iron), and parts and attachments .....	686.9	645.1	4
35676	Fuel-fired industrial furnaces, ovens, and kilns .....	510.4	355.7	6
35670	Industrial furnaces and ovens, n.s.k. ....	138.2	146.1	2
<b>3568—</b>	<b>Power transmission equipment, n.e.c.</b> .....	<b>2 307.7</b>	<b>2 325.4</b>	<b>2</b>
35681	Plain bearings and bushings .....	368.1	346.0	2
35683	Mechanical power transmission equipment, except speed changers, drives, and gears, n.e.c. ....	1 773.0	1 862.7	2
35680	Power transmission equipment, n.e.c., n.s.k. ....	166.6	116.7	1
<b>3569—</b>	<b>General industrial machinery, n.e.c.</b> .....	<b>5 500.9</b>	<b>5 093.3</b>	<b>2</b>
35693	Filters and strainers, except fluid power .....	1 770.2	1 810.3	3
35694	Filters for hydraulic fluid power systems, nonaerospace <sup>3</sup> .....	255.9	223.4	13
35695	Filters for pneumatic fluid power systems, nonaerospace <sup>3</sup> .....	112.2	72.0	1
35696	Filters for hydraulic and pneumatic fluid power systems, aerospace <sup>3</sup> .....	66.1	70.6	4
35699	General industrial machinery, n.e.c. ....	2 944.1	2 672.6	3
35690	General industrial machinery, n.e.c., n.s.k. ....	352.3	244.4	1
<b>3571—</b>	<b>Electronic computers</b> .....	<b>32 116.1</b>	<b>30 615.6</b>	<b>1</b>
35713	General purpose large-scale processing equipment (64 megabytes or more in MINIMUM main memory configuration) <sup>3</sup> .....	4 337.2	5 453.9	1
35714	General purpose medium- and small-scale processing equipment (less than 64 megabytes MINIMUM main memory configuration) <sup>3</sup> .....	3 163.6	3 182.7	1
35715	General purpose personal computers and workstations, excluding portables <sup>3</sup> .....	18 599.9	16 927.8	1
35716	General purpose portable computers (machines with attached display) <sup>3</sup> .....	2 727.3	1 751.6	1
35717	Other general purpose digital processing units <sup>3</sup> .....	256.1	472.8	1
35718	Special purpose, hybrid, or analog computers, including array, database, image processors, etc. <sup>3</sup> .....	790.1	847.2	5
35710	Electronic computers, n.s.k. ....	2 242.0	1 979.5	3
<b>3572—</b>	<b>Computer storage devices</b> .....	<b>9 200.5</b>	<b>8 581.8</b>	<b>1</b>
35721	Computer storage devices <sup>3</sup> .....	7 200.2	6 729.5	1
35722	Parts, attachments, and subassemblies for computer storage devices <sup>3</sup> .....	1 559.4	1 398.3	1
35720	Computer storage devices, n.s.k. ....	440.9	454.0	2
<b>3575—</b>	<b>Computer terminals</b> .....	<b>1 998.8</b>	<b>2 290.8</b>	<b>2</b>
35751	Computer terminals <sup>3</sup> .....	1 525.1	1 791.9	1
35752	Parts, attachments, and subassemblies for computer terminals <sup>3</sup> .....	122.4	194.7	9
35750	Computer terminals, n.s.k. ....	351.3	304.2	8
<b>3577—</b>	<b>Computer peripheral equipment, n.e.c.</b> .....	<b>14 555.3</b>	<b>13 239.4</b>	<b>1</b>
35771	Computer peripheral equipment, n.e.c. <sup>3</sup> .....	10 507.1	8 993.3	1
35772	Parts, attachments, and subassemblies for computer peripheral equipment, n.e.c. <sup>3</sup> .....	2 983.5	3 244.7	3
35770	Computer peripheral equipment, n.e.c., n.s.k. ....	1 064.8	1 001.5	4
<b>3578—</b>	<b>Calculating and accounting equipment</b> .....	<b>1 463.3</b>	<b>1 336.0</b>	<b>4</b>
35784	Accounting machines and cash registers <sup>3</sup> .....	1 230.0	1 121.8	3
35789	Parts and attachments for calculators, accounting machines, cash registers, funds-transfer and point-of-sale terminals <sup>3</sup> .....	84.1	72.9	4
35780	Calculating and accounting equipment, n.s.k. ....	149.1	141.3	27
<b>3579—</b>	<b>Office machines, n.e.c.</b> .....	<b>3 036.1</b>	<b>2 978.4</b>	<b>1</b>
35792	Automatic typing and word processing machines <sup>3</sup> .....	368.1	480.9	1
35793	Duplicating machines <sup>3</sup> .....	(D)	(D)	(X)
35795	Mailing, letter handling, and addressing machines <sup>3</sup> .....	1 307.6	1 171.8	1
35799	Standard typewriters, dictating, transcribing, recording machines, and all other office machines, n.e.c. <sup>3</sup> .....	(D)	(D)	(X)
3579A	Parts and attachments for standard typewriters, dictating, duplicating, and other office machines, n.e.c. <sup>3</sup> .....	349.7	274.3	1
35790	Office machines, n.e.c., n.s.k. ....	354.8	403.6	1
<b>3581—</b>	<b>Automatic merchandising machines</b> .....	<b>832.9</b>	<b>757.8</b>	<b>1</b>
35811	Automatic merchandising machines, coin-operated (vending) .....	609.5	559.5	1
35812	Coin-operated mechanisms and parts for automatic merchandising machines .....	166.2	164.0	1
35810	Automatic merchandising machines, n.s.k. ....	57.3	34.3	5
<b>3582—</b>	<b>Commercial laundry equipment</b> .....	<b>617.1</b>	<b>546.0</b>	<b>1</b>
35820	Commercial laundry, dry cleaning, and pressing machinery and equipment .....	617.1	546.0	1

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>35</b>	<b>INDUSTRIAL MACHINERY AND EQUIPMENT—Con.</b>			
<b>3585—</b>	<b>Refrigeration and heating equipment</b>	<b>19 759.2</b>	<b>18 072.2</b>	<b>1</b>
35851	Heat transfer equipment (except electrically operated dehumidifiers), mechanically refrigerated, self-contained <sup>3</sup>	5 166.8	4 413.0	2
35852	Unitary air-conditioners <sup>3</sup>	4 007.2	3 801.2	2
35853	Commercial refrigerators and related equipment	1 907.5	1 821.8	3
35854	Compressors and compressor units, all refrigerants <sup>3</sup>	3 247.9	3 078.6	1
35855	Refrigeration condensing units (complete) <sup>3</sup>	230.2	209.6	4
35856	Room air-conditioners and dehumidifiers <sup>3</sup>	822.1	878.8	1
35859	Refrigeration and air-conditioning equipment, n.e.c.	746.6	694.2	2
3585C	Warm air furnaces, including duct furnaces and humidifiers, and electric comfort heating equipment <sup>3</sup>	1 492.7	1 307.3	1
3585D	Parts and accessories for air-conditioning and heat transfer equipment	1 571.7	1 467.0	3
35850	Refrigeration and heating equipment, n.s.k.	566.4	400.6	2
<b>3586—</b>	<b>Measuring and dispensing pumps</b>	<b>1 014.1</b>	<b>776.9</b>	<b>4</b>
35860	Measuring and dispensing pumps <sup>3</sup>	1 014.1	776.9	4
<b>3589—</b>	<b>Service industry machinery, n.e.c.</b>	<b>5 426.6</b>	<b>5 057.2</b>	<b>2</b>
35891	Commercial cooking and food-warming equipment	1 457.4	1 304.8	4
35893	Commercial and industrial vacuum cleaners, including parts and attachments	293.0	347.9	14
35892	Service industry machines and parts	3 093.7	3 012.3	3
35890	Service industry machinery, n.e.c., n.s.k.	582.5	392.1	2
<b>3592—</b>	<b>Carburetors, pistons, rings, and valves</b>	<b>2 009.7</b>	<b>1 876.5</b>	<b>1</b>
35921	Carburetors, new and rebuilt (all types)	800.5	748.1	3
35922	Pistons, piston rings, and piston pins (engine)	730.1	714.5	1
35923	Valves (engine intake and exhaust)	419.7	362.4	1
35920	Carburetors, pistons, rings, and valves, n.s.k.	59.5	51.5	1
<b>3593—</b>	<b>Fluid power cylinders and actuators</b>	<b>1 764.5</b>	<b>1 655.6</b>	<b>3</b>
35932	Aerospace-type fluid power cylinders and actuators, hydraulic and pneumatic <sup>3</sup>	436.8	437.4	8
35934	Nonaerospace-type hydraulic fluid power cylinders and actuators, linear and rotary <sup>3</sup>	609.0	561.5	3
35935	Nonaerospace-type pneumatic fluid power cylinders and actuators, linear and rotary <sup>3</sup>	322.9	309.8	3
35939	Parts for hydraulic and pneumatic fluid power cylinders and actuators <sup>3</sup>	229.7	214.1	4
35930	Fluid power cylinders and actuators, n.s.k.	166.0	132.9	3
<b>3594—</b>	<b>Fluid power pumps, motors, and hydrostatic transmission components</b>	<b>1 407.1</b>	<b>1 419.0</b>	<b>2</b>
35943	Nonaerospace-type reciprocating pumps <sup>3</sup>	269.6	244.0	5
35944	Nonaerospace-type rotary and other fluid power pumps <sup>3</sup>	377.7	398.3	2
35945	Nonaerospace-type fluid power motors <sup>3</sup>	235.1	191.3	1
35946	Aerospace-type fluid power pumps and motors <sup>3</sup>	93.2	150.8	4
35949	Parts for fluid power pumps, motors, and hydrostatic transmissions <sup>3</sup>	291.4	331.3	1
35940	Fluid power pumps, motors, and hydrostatic transmission components, n.s.k.	140.0	103.5	2
<b>3596—</b>	<b>Scales and balances, except laboratory</b>	<b>680.2</b>	<b>652.6</b>	<b>1</b>
35961	Vehicle and industrial scales	278.1	273.5	1
35962	Retail, commercial, household, and mailing scales	228.1	199.6	2
35963	Parts, attachments, and accessories for scales and balances	115.6	144.3	1
35960	Scales and balances, except laboratory, n.s.k.	58.4	35.3	1
<b>3599—</b>	<b>Machinery, except electrical, n.e.c.</b>	<b>19 126.9</b>	<b>18 143.4</b>	<b>2</b>
35994	Miscellaneous machinery products (including flexible metal hose and tubing, metal bellows, etc.)	1 518.6	1 813.0	5
35995	Receipts for machine shop job work and job order repairs	12 705.0	12 412.0	2
35990	Machinery, except electrical, n.e.c., n.s.k.	4 903.3	3 918.4	2
<b>36</b>	<b>ELECTRONIC AND OTHER ELECTRIC EQUIPMENT</b>			
<b>3612—</b>	<b>Transformers, except electronic</b>	<b>3 904.4</b>	<b>4 028.4</b>	<b>1</b>
36122	Power and distribution transformers, except parts	1 934.8	2 153.1	2
36123	Specialty transformers, except fluorescent lamp ballast	367.3	435.0	4
36124	Fluorescent lamp ballasts <sup>3</sup>	924.4	794.9	1
36126	Commercial, institutional, and industrial general-purpose transformers, all voltages	254.6	272.6	2
36127	Power regulators, boosters, and other transformers and parts for all transformers	277.4	267.8	4
36120	Transformers, except electronic, n.s.k.	146.0	104.9	2
<b>3613—</b>	<b>Switchgear and switchboard apparatus</b>	<b>5 669.7</b>	<b>5 324.5</b>	<b>3</b>
36132	Power circuit breakers, all voltages <sup>3</sup>	485.7	440.6	2
36133	Low voltage panelboards and distribution boards <sup>3</sup>	1 785.9	1 566.8	7
36134	Fuses and fuse equipment, less than 2.3 kV, except power distribution cut-outs <sup>3</sup>	336.0	425.1	1
36135	Molded case circuit breakers, 1000 volts or less <sup>3</sup>	964.9	906.0	1
36136	Duct, including plug-in units and accessories, 1000 volts or less <sup>3</sup>	184.9	183.0	1
36139	Switchgear, except ducts and relays <sup>3</sup>	1 579.0	1 594.5	1
36130	Switchgear and switchboard apparatus, n.s.k.	333.4	208.5	1
<b>3621—</b>	<b>Motors and generators</b>	<b>9 210.2</b>	<b>8 495.3</b>	<b>1</b>
36211	Fractional horsepower motors <sup>3</sup>	4 321.0	3 856.4	1
36212	Integral horsepower motors and generators <sup>3</sup>	1 784.3	1 763.9	1
36213	Land transportation motors and generators <sup>3</sup>	277.9	188.3	11
36214	Prime mover generator sets, except steam or hydraulic turbine <sup>3</sup>	1 226.1	1 155.7	1
36217	Fractional motor generator sets and other rotating equipment, including hermetics <sup>3</sup>	360.0	329.5	1
36218	Integral motor generator sets and other rotating equipment, including hermetics <sup>3</sup>	386.6	440.5	1
36219	Parts, supplies for motors, generators, generator sets, and other rotating equipment, excluding motors for built-in jobs <sup>3</sup>	632.3	594.2	1
36210	Motors and generators, n.s.k.	222.1	166.8	1
<b>3624—</b>	<b>Carbon and graphite products</b>	<b>1 278.0</b>	<b>1 177.0</b>	<b>4</b>
36241	Electrodes	661.0	497.9	8
36249	All other carbon and graphite products	573.1	649.9	2
36240	Carbon and graphite products, n.s.k.	43.9	29.1	1

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>36</b>	<b>ELECTRONIC AND OTHER ELECTRIC EQUIPMENT—Con.</b>			
<b>3625—</b>	<b>Relays and industrial controls</b> .....	<b>8 183.0</b>	<b>7 109.4</b>	<b>3</b>
36251	Relays for electronic circuitry, industrial control, overload, and switchgear type <sup>3</sup> .....	769.8	840.0	3
36252	Specific-purpose industrial controls <sup>3</sup> .....	2 567.1	2 267.5	8
36253	General-purpose industrial controls <sup>3</sup> .....	3 410.9	2 870.7	3
36254	Parts for industrial controls and motor-control accessories <sup>3</sup> .....	574.0	491.5	3
36250	Relays and industrial controls, n.s.k. ....	861.2	639.7	2
<b>3629—</b>	<b>Electrical industrial apparatus, n.e.c.</b> .....	<b>2 064.9</b>	<b>1 906.3</b>	<b>2</b>
36291	Capacitors for industrial use (except for electronic circuitry) .....	235.0	279.8	2
36292	Rectifying apparatus .....	1 158.2	1 064.6	3
36293	Other electrical equipment for industrial use, except for electronic circuitry .....	476.7	410.4	3
36290	Electrical industrial apparatus, n.e.c., n.s.k. ....	194.9	151.5	1
<b>3631—</b>	<b>Household cooking equipment</b> .....	<b>3 162.3</b>	<b>3 006.8</b>	<b>1</b>
36311	Electric, including microwave, household ranges, ovens, surface cooking units <sup>3</sup> .....	1 718.5	1 609.4	1
36313	Gas household ranges, ovens, surface cooking units, and equipment <sup>3</sup> .....	617.5	613.8	1
36314	Other household ranges and cooking equipment <sup>3</sup> .....	782.4	763.3	2
36310	Household cooking equipment, n.s.k. ....	43.9	20.3	9
<b>3632—</b>	<b>Household refrigerators and freezers</b> .....	<b>4 311.2</b>	<b>4 047.6</b>	<b>1</b>
36321	Household mechanical refrigerators, including combination refrigerator-freezers <sup>3</sup> .....	4 215.0	3 953.2	(X)
36322	Food freezers, household <sup>3</sup> .....			
36323	Parts and attachments for household refrigerators and freezers <sup>3</sup> .....	74.7	77.5	1
36320	Household refrigerators and freezers, n.s.k. ....	21.5	16.9	1
<b>3633—</b>	<b>Household laundry equipment</b> .....	<b>3 299.2</b>	<b>2 995.0</b>	<b>1</b>
36330	Household laundry machines, including washing machines, dryers, and combinations <sup>3</sup> .....	3 299.2	2 995.0	1
<b>3634—</b>	<b>Electric housewares and fans</b> .....	<b>2 708.8</b>	<b>2 651.8</b>	<b>4</b>
36341	Electric fans, except industrial-type <sup>3</sup> .....	501.5	498.8	1
36345	Small electric household appliances, except fans <sup>3</sup> .....	1 885.2	1 914.8	5
36349	Parts and attachments for small household electric appliances <sup>3</sup> .....	142.1	153.3	2
36340	Electric housewares and fans, n.s.k. ....	180.0	84.9	7
<b>3635—</b>	<b>Household vacuum cleaners</b> .....	<b>2 014.8</b>	<b>1 808.6</b>	<b>5</b>
36350	Household vacuum cleaners, including parts and attachments .....	2 014.8	1 808.6	5
<b>3639—</b>	<b>Household appliances, n.e.c.</b> .....	<b>2 529.8</b>	<b>2 278.8</b>	<b>1</b>
36391	Household water heaters, electric <sup>3</sup> .....	488.8	432.6	2
36392	Household water heaters, except electric <sup>3</sup> .....	681.8	568.4	1
36395	Household appliances, n.e.c., and parts for household appliances, n.e.c. <sup>3</sup> .....	1 294.9	1 231.3	1
36390	Household appliances, n.e.c., n.s.k. ....	64.2	46.4	5
<b>3641—</b>	<b>Electric lamps (bulbs and tubes)</b> .....	<b>2 795.5</b>	<b>2 947.4</b>	<b>1</b>
36411	Electric lamp bulbs and tubes <sup>3</sup> .....	2 560.4	2 697.3	1
36412	Electric lamp (bulbs and tubes) components .....	190.5	212.4	1
36410	Electric lamps (bulbs and tubes), n.s.k. ....	44.7	37.8	8
<b>3643—</b>	<b>Current-carrying wiring devices</b> .....	<b>4 517.6</b>	<b>4 228.3</b>	<b>2</b>
36431	Lampholders <sup>3</sup> .....	193.0	196.6	1
36432	Convenience and power outlets <sup>3</sup> .....	361.2	328.7	1
36433	Switches for electrical circuitry <sup>3</sup> .....	1 481.0	1 360.3	1
36434	Metal contacts <sup>3</sup> .....	223.5	241.9	4
36435	Wire connectors for electrical circuitry <sup>3</sup> .....	959.2	992.0	2
36436	Current-carrying wiring devices, n.e.c. <sup>3</sup> .....	1 014.3	949.1	5
36430	Current-carrying wiring devices, n.s.k. ....	285.4	159.5	3
<b>3644—</b>	<b>Noncurrent-carrying wiring devices</b> .....	<b>3 341.1</b>	<b>3 227.2</b>	<b>1</b>
36441	Pole and transmission line hardware <sup>3</sup> .....	598.3	586.3	1
36442	Electrical conduit and conduit fittings <sup>3</sup> .....	1 581.1	1 552.1	2
36443	Noncurrent-carrying wiring devices and supplies <sup>3</sup> .....	1 074.3	1 042.0	1
36440	Noncurrent-carrying wiring devices, n.s.k. ....	87.4	46.8	3
<b>3645—</b>	<b>Residential lighting fixtures</b> .....	<b>1 872.7</b>	<b>1 690.3</b>	<b>2</b>
36451	Residential lighting fixtures, except portable (including parts and accessories) <sup>3</sup> .....	1 012.6	855.4	3
36457	Portable residential lighting fixtures (including parts and accessories for portable residential lighting fixtures) .....	576.8	611.9	3
36450	Residential lighting fixtures, n.s.k. ....	283.3	223.0	3
<b>3646—</b>	<b>Commercial, industrial, and institutional electric lighting fixtures</b> .....	<b>3 153.4</b>	<b>3 025.1</b>	<b>1</b>
36462	Commercial- and institutional-type lighting fixtures, including parts and accessories <sup>3</sup> .....	2 357.3	2 389.5	2
36463	Industrial-type lighting fixtures, including parts and accessories <sup>3</sup> .....	504.0	467.2	4
36460	Commercial, industrial, and institutional electric lighting fixtures, n.s.k. ....	292.1	168.5	1
<b>3647—</b>	<b>Vehicular lighting equipment</b> .....	<b>2 014.4</b>	<b>1 731.6</b>	<b>2</b>
36470	Vehicular lighting equipment (including parts and accessories) .....	2 014.4	1 731.6	2
<b>3648—</b>	<b>Lighting equipment, n.e.c.</b> .....	<b>2 129.5</b>	<b>1 995.1</b>	<b>3</b>
36485	Outdoor lighting equipment (including parts and accessories) <sup>3</sup> .....	1 231.3	1 141.7	3
36489	Electric and nonelectric lighting equipment, n.e.c., including hand portable, and parts and accessories <sup>3</sup> .....	771.5	754.3	5
36480	Lighting equipment, n.e.c., n.s.k. ....	126.8	99.1	5
<b>3651—</b>	<b>Radio receivers, television sets, phonographs, speakers, and related equipment</b> .....	<b>7 907.6</b>	<b>7 682.0</b>	<b>1</b>
36511	Home, portable, and automobile radios and radio-phonograph-tape recorder combinations <sup>3</sup> .....	658.8	591.8	1
36512	Television receivers (including television combinations) <sup>3</sup> .....	4 795.4	4 901.6	1
36514	Consumer high fidelity components <sup>3</sup> .....	231.9	229.1	14
36515	Speaker systems, microphones, and commercial sound equipment (including public address systems) <sup>3</sup> .....	1 732.5	1 616.5	3
36510	Radio receivers, television sets, phonographs, speakers, and related equipment, n.s.k. ....	489.0	342.9	1
<b>3652—</b>	<b>Prerecorded records and tapes</b> .....	<b>1 892.5</b>	<b>1 706.6</b>	<b>2</b>
36520	Prerecorded records and tapes .....	1 892.5	1 706.6	2

See footnotes at end of table.

## 2-30 VALUE OF PRODUCT SHIPMENTS

## ANNUAL SURVEY OF MANUFACTURES

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	
<b>36</b>	<b>ELECTRONIC AND OTHER ELECTRIC EQUIPMENT—Con.</b>			
<b>3661—</b>	<b>Telephone and telegraph apparatus</b> .....	<b>19 586.8</b>	<b>18 321.9</b>	<b>1</b>
36611	Telephone switching and switchboard equipment <sup>3</sup> .....	7 203.1	7 513.5	1
36613	Carrier line equipment and modems, including auxiliary sets <sup>3</sup> .....	5 020.1	4 930.7	1
36614	Other telephone and telegraph (wire) apparatus <sup>3</sup> .....	6 913.0	5 487.6	1
36610	Telephone and telegraph apparatus, n.s.k. ....	450.5	390.1	1
<b>3663—</b>	<b>Radio and television communications equipment</b> .....	<b>18 528.8</b>	<b>17 727.8</b>	<b>1</b>
36631	Communication systems and equipment, except broadcast <sup>3</sup> .....	15 954.7	15 333.1	1
36632	Broadcast, studio, and related electronic equipment <sup>3</sup> .....	2 087.1	1 983.5	5
36630	Radio and television communications equipment, n.s.k. ....	487.0	411.2	1
<b>3669—</b>	<b>Communications equipment, n.e.c.</b> .....	<b>2 968.3</b>	<b>2 590.9</b>	<b>2</b>
36691	Alarm systems <sup>3</sup> .....	1 606.4	1 410.7	2
36692	Traffic control equipment <sup>3</sup> .....	637.9	589.3	1
36693	Intercommunication equipment, except telephone and telegraph <sup>3</sup> .....	339.6	304.7	8
36690	Communications equipment, n.e.c., n.s.k. ....	384.4	286.2	1
<b>3671—</b>	<b>Electron tubes</b> .....	<b>3 329.5</b>	<b>3 357.3</b>	<b>1</b>
36713	Transmittal, industrial, and special purpose electron tubes, except x-ray <sup>3</sup> .....	687.9	918.1	1
36714	Receiving-type electron tubes (including cathode ray picture tubes) (new and rebuilt) <sup>3</sup> .....	2 220.2	2 125.0	1
36715	Electron tube parts <sup>3</sup> .....	175.6	164.6	7
36710	Electron tubes, n.s.k. ....	245.8	149.5	1
<b>3672—</b>	<b>Printed circuit boards</b> .....	<b>6 926.5</b>	<b>6 289.2</b>	<b>2</b>
36720	Printed circuit (wiring) boards <sup>3</sup> .....	6 926.5	6 289.2	2
<b>3674—</b>	<b>Semiconductors and related devices</b> .....	<b>33 686.0</b>	<b>29 352.4</b>	<b>1</b>
36741	Integrated microcircuits (including semiconductor networks, microprocessors, and MOS memories) <sup>3</sup> .....	24 458.2	20 747.5	1
36742	Transistors <sup>3</sup> .....	662.7	709.5	1
36743	Diodes and rectifiers <sup>3</sup> .....	688.2	712.0	1
36749	Other semiconductor devices (including semiconductor parts such as chips, wafers, and heat sinks) <sup>3</sup> .....	6 699.3	6 079.9	2
36740	Semiconductors and related devices, n.s.k. ....	1 177.6	1 103.3	3
<b>3675—</b>	<b>Capacitors for electronic circuitry</b> .....	<b>1 501.3</b>	<b>1 393.1</b>	<b>1</b>
36750	Capacitors for electronic circuitry <sup>3</sup> .....	1 501.3	1 393.1	1
<b>3676—</b>	<b>Resistors for electronic circuitry</b> .....	<b>784.6</b>	<b>753.7</b>	<b>2</b>
36760	Resistors for electronic circuitry <sup>3</sup> .....	784.6	753.7	2
<b>3677—</b>	<b>Coils, transformers, reactors, and chokes for electronic circuitry</b> .....	<b>1 267.6</b>	<b>1 159.0</b>	<b>5</b>
36770	Coils, transformers, reactors, and chokes for electronic circuitry <sup>3</sup> .....	1 267.6	1 159.0	5
<b>3678—</b>	<b>Connectors for electronic circuitry</b> .....	<b>3 901.7</b>	<b>3 745.7</b>	<b>1</b>
36781	Coaxial (RF) connectors for electronic circuitry <sup>3</sup> .....	437.2	426.9	4
36782	Cylindrical connectors for electronic circuitry <sup>3</sup> .....	528.3	549.5	3
36783	Rack and panel (rectangular) connectors for electronic circuitry <sup>3</sup> .....	544.5	523.3	1
36784	Printed circuit connectors for electronic circuitry <sup>3</sup> .....	858.3	827.2	2
36785	Other connectors for electronic circuitry, including parts <sup>3</sup> .....	1 304.6	1 184.4	1
36780	Connectors for electronic circuitry, n.s.k. ....	228.7	234.4	2
<b>3679—</b>	<b>Electronic components, n.e.c.</b> .....	<b>26 548.1</b>	<b>25 443.2</b>	<b>2</b>
36791	Crystals, filters, piezoelectric, and other related devices <sup>3</sup> .....	580.6	516.5	4
36793	Microwave components and devices, except antennae, tubes, and semiconductors <sup>3</sup> .....	1 378.1	1 323.5	4
36795	Transducers, electrical/electronic input or output, n.e.c. <sup>3</sup> .....	880.8	792.3	2
36796	Switches, mechanical, for electronic circuitry <sup>3</sup> .....	512.9	469.0	2
36798	Printed circuit assemblies, loaded boards or modules (printed circuit boards with inserted electronic components) <sup>3</sup> .....	14 965.0	14 302.6	2
36799	Electronic components, n.e.c. <sup>3</sup> .....	4 793.2	5 040.2	3
36790	Electronic components, not elsewhere classified, n.s.k. ....	3 437.6	2 999.1	2
<b>3691—</b>	<b>Storage batteries</b> .....	<b>3 571.7</b>	<b>3 351.9</b>	<b>1</b>
36913	Storage batteries, lead acid type, BCI dimensional size group 8D (1.5 cu ft or .042 cu m and smaller) .....	2 434.6	2 181.6	1
36914	Storage batteries, lead acid type, larger than BCI dimensional size group 8D (1.5 cu ft or .042 cu m) .....	607.7	578.5	4
36915	Storage batteries, except lead acid, including parts for all storage batteries .....	402.9	475.7	1
36910	Storage batteries, n.s.k. ....	126.5	116.1	11
<b>3692—</b>	<b>Primary batteries, dry and wet</b> .....	<b>2 062.1</b>	<b>1 778.8</b>	<b>2</b>
36920	Primary batteries, dry and wet .....	2 062.1	1 778.8	2
<b>3694—</b>	<b>Engine electrical equipment</b> .....	<b>7 372.7</b>	<b>6 592.5</b>	<b>1</b>
36941	Ignition harness and cable sets .....	951.1	936.3	5
36942	Battery charging alternators, generators, and regulators .....	1 399.6	1 149.0	2
36943	Cranking motors (starters) .....	1 036.6	902.3	2
36944	Spark plugs .....	449.5	411.8	5
36947	Complete engine electrical equipment, n.e.c. ....	2 630.3	2 516.9	1
36949	Parts for engine electrical and/or electronic equipment .....	562.5	430.2	1
36940	Engine electrical equipment, n.s.k. ....	343.1	246.0	3
<b>3695—</b>	<b>Magnetic and optical recording media</b> .....	<b>4 589.4</b>	<b>4 406.9</b>	<b>1</b>
36950	Magnetic and optical recording media (unrecorded) <sup>3</sup> .....	4 589.4	4 406.9	1
<b>3699—</b>	<b>Electronic and electrical equipment and supplies, n.e.c.</b> .....	<b>4 596.4</b>	<b>4 705.0</b>	<b>2</b>
36991	Electronic teaching machines, teaching aids, trainers, and simulators, including kits <sup>3</sup> .....	923.9	1 243.8	2
36992	Laser systems and equipment, except communication <sup>3</sup> .....	755.9	764.2	3
36995	Ultrasonic equipment (except medical and dental) <sup>3</sup> .....	123.3	131.6	5
36996	Apparatus wire and cordage manufactured from purchased insulated wire <sup>2</sup> .....	285.9	293.5	20
36999	Electronic systems and equipment, n.e.c. (including automatic garage door openers, and amplifiers) <sup>3</sup> .....	1 260.4	1 125.2	3
3699A	Electrical products, n.e.c. (excluding garage door openers) .....	543.5	509.6	5
36990	Electrical machinery, equipment, and supplies, not elsewhere classified, n.s.k. ....	703.5	637.1	3

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>37</b>	<b>TRANSPORTATION EQUIPMENT</b>			
<b>3711—</b>	<b>Motor vehicles and car bodies</b>	<b>163 351.3</b>	<b>147 515.1</b>	<b>1</b>
37111	Passenger cars, knockdown or assembled, chassis for sale separately and passenger car bodies	89 033.9	84 064.3	1
37113	Buses, including military and firefighting vehicles (chassis of own manufacture)	1 298.3 (D)	1 073.4 (D)	2 (X)
37114	Combat vehicles and wheeled tactical vehicles or carriers			
37116	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 10,000 pounds or less	56 322.1	49 234.4	1
37117	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 10,001 to 19,500 pounds	(D)	(D)	(X)
37118	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 19,501 to 33,000 pounds	(D)	(D)	(X)
37119	Trucks, truck tractors, and bus chassis (chassis of own manufacture) 33,001 pounds or more	7 996.5 (D)	6 321.8 (D)	1 (X)
37110	Motor vehicles and car bodies, n.s.k.			
<b>3713—</b>	<b>Truck and bus bodies</b>	<b>5 397.6</b>	<b>4 153.4</b>	<b>2</b>
37131	Truck, bus, and other vehicle bodies (except passenger car bodies) for sale separately	3 057.2	2 150.6	2
37132	Complete vehicles produced on purchased chassis	1 721.8	1 521.0	3
37130	Truck and bus bodies, n.s.k.	618.6	481.8	7
<b>3714—</b>	<b>Motor vehicle parts and accessories</b>	<b>85 621.2</b>	<b>74 594.0</b>	<b>1</b>
37142	Gasoline engines and gasoline engine parts for motor vehicles, new	20 118.1	17 157.0	1
37144	Filters for internal combustion engines and motor vehicles, new	2 249.5	2 154.2	1
37145	Exhaust system parts, new	3 623.7	3 187.6	1
37146	Drive train components, new, except wheels and brakes	22 687.0	19 632.6	1
37147	Motor vehicle wheels, new	2 277.9	1 943.2	2
37148	Brake parts and assemblies, new	7 155.6	6 010.6	2
37149	All other motor vehicle parts and accessories, new, n.e.c.	23 191.9	20 509.5	1
3714A	Rebuilt parts for motor vehicles, excluding carburetors and engine electrical equipment	1 374.9	1 379.8	3
37140	Motor vehicle parts and accessories, n.s.k.	2 942.6	2 619.5	1
<b>3715—</b>	<b>Truck trailers</b>	<b>3 936.3</b>	<b>3 168.1</b>	<b>2</b>
37151	Truck trailers and chassis, with axle rating of 10,000 pounds or more	3 400.1	2 724.2	2
37152	Truck trailers and chassis, with axle rating of less than 10,000 pounds	301.0	248.0	2
37150	Truck trailers, n.s.k.	235.2	195.9	3
<b>3716—</b>	<b>Motor homes produced on purchased chassis</b>	<b>3 479.8</b>	<b>2 772.5</b>	<b>2</b>
37160	Motor homes built on purchased chassis	3 479.8	2 772.5	2
<b>3721—</b>	<b>Aircraft</b>	<b>51 205.4</b>	<b>56 596.6</b>	<b>1</b>
37211	Military aircraft	15 183.2	16 483.6	1
37215	Civilian aircraft <sup>3</sup>	26 758.2	31 610.1	1
37217	Modification, conversion, and overhaul of previously accepted aircraft	4 330.6	3 727.1	1
37218	Other aeronautical services on complete aircraft, n.e.c.	4 670.0	4 443.0	1
37210	Aircraft, n.s.k.	263.3	332.8	2
<b>3724—</b>	<b>Aircraft engines and engine parts</b>	<b>18 090.6</b>	<b>20 579.6</b>	<b>2</b>
37241	Aircraft engines for military aircraft	2 414.3	3 154.8	1
37242	Aircraft engines for civilian aircraft <sup>3</sup>	5 315.8	6 689.4	1
37243	Aeronautical services on aircraft engines	2 239.7	2 627.6	1
37244	Aircraft engine parts and accessories	7 818.1	7 725.6	4
37240	Aircraft engines and engine parts, n.s.k.	302.7	382.1	4
<b>3728—</b>	<b>Aircraft parts and auxiliary equipment, n.e.c.</b>	<b>18 297.7</b>	<b>22 132.7</b>	<b>1</b>
37282	Aircraft propellers and helicopter rotors	408.0	517.0	8
37283	Research and development on aircraft parts (except engines)	821.3	1 311.1	1
37284	Aircraft hydraulic and pneumatic subassemblies	933.1	1 474.6	1
37285	Aircraft parts and auxiliary equipment, excluding hydraulic and pneumatic subassemblies and engines	15 307.1	17 911.1	1
37280	Aircraft parts and auxiliary equipment, n.e.c., n.s.k.	828.2	919.0	11
<b>3731—</b>	<b>Ship building and repairing<sup>4</sup></b>	<b>9 811.3</b>	<b>10 390.9</b>	<b>1</b>
37311	Nonpropelled ships, new construction	477.0	449.3	4
37312	Self-propelled ships, U.S. military, new construction	5 705.6	6 034.1	1
37313	Self-propelled ships, nonmilitary, new construction	678.4	648.3	4
37314	Ship repair, military	1 671.3	1 968.7	1
37316	Ship repair, nonmilitary	888.3	872.1	8
37310	Ship building and repairing, n.s.k.	390.8	418.4	2
<b>3732—</b>	<b>Boat building and repairing</b>	<b>4 599.3</b>	<b>4 272.5</b>	<b>2</b>
37322	Outboard motorboats, including commercial and military (except sailboats with auxiliary power and lifeboats)	1 211.2	1 120.4	2
37323	Inboard motorboats	673.0	695.3	6
37324	Inboard-outdrive boats	1 067.5	1 039.9	2
37327	All other boats (excluding military and commercial)	302.8	252.1	4
37328	Boat repair, military and nonmilitary	313.7	308.8	7
37320	Boat building and repairing, n.s.k.	1 031.2	855.9	4
<b>3743—</b>	<b>Railroad equipment</b>	<b>4 931.7</b>	<b>4 167.3</b>	<b>1</b>
37431	Locomotives, both new and rebuilt, and parts	1 732.7	1 540.1	2
37432	Freight train and passenger train cars, new, excluding parts	1 750.2	1 416.2	1
37433	Street, subway, trolley, and rapid transit cars, all rebuilt railcars, and parts for all railcars	1 301.4	1 122.6	3
37430	Railroad equipment, n.s.k.	147.3	88.5	1
<b>3751—</b>	<b>Motorcycles, bicycles, and parts</b>	<b>2 350.6</b>	<b>2 031.7</b>	<b>1</b>
37511	Bicycles and parts (excluding children's two-wheel sidewalk cycles with solid or semipneumatic tires)	1 070.6	1 022.6	2
37512	Motorcycles, motorbikes, motor scooters, mopeds, and parts	991.9	836.6	1
37510	Motorcycles, bicycles, and parts, n.s.k.	288.0	172.5	2
<b>3761—</b>	<b>Guided missiles and space vehicles</b>	<b>13 066.2</b>	<b>13 829.5</b>	<b>1</b>
37611	Complete missiles	2 588.1	3 906.3	1
37612	Complete space vehicles (excluding propulsion systems)	6 054.6	5 766.1	1
37613	Research and development on complete missiles	1 513.1	1 351.8	1
37614	Research and development on complete space vehicles	758.1	588.2	1
37616	All other services on complete guided missiles	1 241.8	1 401.1	1
37617	All other services on complete space vehicles	858.3	814.8	1
37610	Guided missiles and space vehicles, n.s.k.	52.1	1.2	1

See footnotes at end of table.

## 2-32 VALUE OF PRODUCT SHIPMENTS

## ANNUAL SURVEY OF MANUFACTURES

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>37</b>	<b>TRANSPORTATION EQUIPMENT—Con.</b>			
<b>3764—</b>	<b>Space propulsion units and parts</b> .....	<b>6 359.6</b>	<b>5 413.3</b>	<b>1</b>
37645	Complete missile or space vehicle engines and/ or propulsion units .....	2 506.3	2 806.7	1
37646	Research and development on complete missile or space vehicle engines and/ or propulsion units .....	809.1	620.4	1
37647	Other services on complete missile or space vehicle engines and/ or propulsion units .....	2 506.1	1 304.6	1
37648	Missile and space vehicle engine and/ or propulsion parts and accessories .....	523.4	626.2	1
37640	Space propulsion units and parts, n.s.k. ....	14.7	55.3	1
<b>3769—</b>	<b>Space vehicle equipment, n.e.c.</b> .....	<b>3 318.6</b>	<b>4 514.6</b>	<b>1</b>
37692	Missile and space vehicle components, parts, and subassemblies .....	2 818.6	3 770.4	1
37694	Research and development on missile and space vehicle parts and components, n.e.c. ....	477.9	705.6	1
37690	Space vehicle equipment, n.e.c., n.s.k. ....	22.1	38.6	1
<b>3792—</b>	<b>Travel trailers and campers</b> .....	<b>2 321.0</b>	<b>2 027.9</b>	<b>1</b>
37921	Travel trailers .....	1 592.5	1 330.8	1
37922	Camping trailers, campers, pickup covers, and parts .....	577.1	538.6	3
37920	Travel trailers and campers, n.s.k. ....	151.4	158.6	2
<b>3795—</b>	<b>Tanks and tank components</b> .....	<b>2 283.1</b>	<b>2 503.1</b>	<b>1</b>
37950	Tanks and tank components .....	2 283.1	2 503.1	1
<b>3799—</b>	<b>Transportation equipment, n.e.c.</b> .....	<b>3 439.0</b>	<b>2 826.4</b>	<b>2</b>
37993	Golf carts and industrial in-plant personnel carriers, self-propelled, and parts .....	479.7	380.0	1
37996	Automobile and light truck trailers .....	708.2	649.8	3
37999	Transportation equipment, n.e.c., including all-terrain vehicles .....	1 662.5	1 436.5	3
37990	Transportation equipment, n.e.c., n.s.k. ....	588.6	360.2	3
<b>38</b>	<b>INSTRUMENTS AND RELATED PRODUCTS</b>			
<b>3812—</b>	<b>Search, detection, navigation, guidance, aeronautical, and nautical systems, instruments, and equipment</b> .....	<b>31 474.9</b>	<b>34 435.0</b>	<b>1</b>
38121	Aeronautical, nautical, and navigational instruments, not sending or receiving radio signals <sup>3</sup> .....	2 189.1	2 551.3	3
38122	Search, detection, navigation, and guidance systems and equipment <sup>3</sup> .....	28 681.1	31 264.0	1
38120	Search, detection, navigation, guidance, aeronautical, and nautical systems, instruments, and equipment, n.s.k. ....	604.7	619.7	1
<b>3821—</b>	<b>Laboratory apparatus and furniture</b> .....	<b>1 757.3</b>	<b>1 843.9</b>	<b>2</b>
38210	Laboratory apparatus and furniture <sup>3</sup> .....	1 757.3	1 843.9	2
<b>3822—</b>	<b>Environmental controls</b> .....	<b>2 506.0</b>	<b>2 377.2</b>	<b>4</b>
38220	Automatic controls for monitoring residential and commercial environments and appliance regulating controls <sup>3</sup> .....	2 506.0	2 377.2	4
<b>3823—</b>	<b>Process control instruments</b> .....	<b>6 200.4</b>	<b>5 943.1</b>	<b>2</b>
38230	Process control instruments <sup>3</sup> .....	6 200.4	5 943.1	2
<b>3824—</b>	<b>Fluid meters and counting devices</b> .....	<b>2 995.8</b>	<b>2 734.7</b>	<b>1</b>
38242	Integrating and totalizing meters for gas and liquids <sup>3</sup> .....	804.3	775.3	1
38243	Counting devices <sup>3</sup> .....	285.2	272.0	3
38244	Motor vehicle instruments <sup>3</sup> .....	1 760.6	1 593.4	1
38240	Fluid meters and counting devices, n.s.k. ....	145.7	94.0	2
<b>3825—</b>	<b>Instruments to measure electricity</b> .....	<b>8 196.3</b>	<b>8 066.8</b>	<b>1</b>
38251	Integrating instruments, electrical <sup>3</sup> .....	472.5	445.2	6
38252	Test equipment for testing electrical, radio, and communication circuits, and motors <sup>3</sup> .....	6 640.0	6 610.0	2
38253	Other instruments to measure electricity <sup>3</sup> .....	543.9	559.5	3
38250	Instruments to measure electricity, n.s.k. ....	540.0	452.1	2
<b>3826—</b>	<b>Analytical instruments</b> .....	<b>5 289.1</b>	<b>5 088.4</b>	<b>2</b>
38260	Analytical and scientific instruments, except optical <sup>3</sup> .....	5 289.1	5 088.4	2
<b>3827—</b>	<b>Optical instruments and lenses</b> .....	<b>2 354.4</b>	<b>2 287.7</b>	<b>3</b>
38271	Sighting, tracking, and fire-control equipment, optical-type <sup>3</sup> .....	778.6	786.5	3
38274	Optical instruments and lenses, n.e.c. <sup>3</sup> .....	1 411.1	1 418.8	4
38270	Optical instruments and lenses, n.s.k. ....	164.7	82.3	4
<b>3829—</b>	<b>Measuring and controlling devices, n.e.c.</b> .....	<b>4 317.2</b>	<b>4 337.2</b>	<b>3</b>
38291	Aircraft engine instruments, except flight <sup>3</sup> .....	571.1	622.6	4
38292	Physical properties testing and inspection equipment and kinematic testing and measuring equipment <sup>3</sup> .....	1 148.5	1 170.6	5
38294	Nuclear radiation detection and monitoring instruments <sup>3</sup> .....	538.8	579.6	2
38295	Commercial, geophysical, meteorological, and general-purpose instruments <sup>3</sup> .....	1 300.6	1 409.5	6
38296	Survey and drafting instruments and associated equipment <sup>3</sup> .....	287.6	243.5	3
38290	Measuring and controlling devices, n.e.c., n.s.k. ....	470.5	311.3	4
<b>3841—</b>	<b>Surgical and medical instruments</b> .....	<b>14 326.6</b>	<b>13 264.9</b>	<b>1</b>
38411	Surgical and medical instruments and apparatus .....	12 255.6	11 717.2	2
38412	Hospital furniture .....	398.0	415.8	3
38410	Surgical and medical instruments, n.s.k. ....	1 673.0	1 131.9	2
<b>3842—</b>	<b>Surgical appliances and supplies</b> .....	<b>13 202.6</b>	<b>12 479.2</b>	<b>1</b>
38421	Surgical, orthopedic, prosthetic, and therapeutic appliances and supplies .....	9 762.1	9 660.0	1
38423	Personal industrial safety devices .....	1 440.3	1 332.0	5
38424	Electronic hearing aids .....	383.6	372.5	2
38420	Surgical appliances and supplies, n.s.k. ....	1 616.5	1 114.7	2
<b>3843—</b>	<b>Dental equipment and supplies</b> .....	<b>1 660.0</b>	<b>1 616.5</b>	<b>2</b>
38431	Dental professional equipment and supplies .....	978.0	958.3	4
38432	Dental laboratory equipment and supplies .....	408.9	415.4	2
38430	Dental equipment and supplies, n.s.k. ....	273.1	242.8	4
<b>3844—</b>	<b>X-ray apparatus and tubes</b> .....	<b>2 542.1</b>	<b>2 473.8</b>	<b>1</b>
38440	Irradiation (ionizing radiation) equipment, including X-ray, beta ray, gamma ray, and nuclear <sup>3</sup> .....	2 542.1	2 473.8	1
<b>3845—</b>	<b>Electromedical equipment</b> .....	<b>6 488.0</b>	<b>6 294.5</b>	<b>1</b>
38450	Electromedical equipment (diagnostic, therapeutic, patient monitoring, etc.), excluding ionizing radiation equipment <sup>3</sup> .....	6 488.0	6 294.5	1

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>38</b>	<b>INSTRUMENTS AND RELATED PRODUCTS—Con.</b>			
<b>3851—</b>	<b>Ophthalmic goods</b> .....	<b>2 658.7</b>	<b>2 405.7</b>	<b>3</b>
38511	Ophthalmic fronts and temples .....	199.7	167.6	11
38514	Glass ophthalmic focus lenses .....	156.1	158.0	3
38515	Plastics ophthalmic focus lenses .....	518.8	423.8	10
38516	Contact lenses .....	1 020.1	923.7	1
38517	Ophthalmic goods, except fronts, temples, and lenses .....	382.7	402.0	4
38510	Ophthalmic goods, n.s.k. ....	381.3	330.7	6
<b>3861—</b>	<b>Photographic equipment and supplies</b> .....	<b>19 634.3</b>	<b>18 909.1</b>	<b>1</b>
38611	Still picture equipment .....	1 018.6	918.4	3
38612	Photocopying equipment (includes diffusion transfer, dye transfer, electrostatic, light and heat sensitive types, etc.) .....	(D)	(D)	(X)
38613	Motion picture equipment .....	251.5	212.6	5
38614	Microfilming, blueprinting, and whiteprinting equipment .....	316.6	270.9	1
38615	Photographic sensitized film and plates, silver halide type (except X-ray) .....	5 302.9	5 600.8	1
38616	Sensitized photographic paper and cloth, silver halide type .....	(D)	(D)	(X)
38617	Sensitized photographic film, plates, paper, and cloth, other than silver halide type .....	1 506.7	1 335.0	1
38618	Prepared photographic chemicals .....	2 241.0	1 852.5	1
38619	X-ray film and plates .....	(D)	(D)	(X)
38610	Photographic equipment and supplies, n.s.k. ....	1 027.7	807.2	3
<b>3873—</b>	<b>Watches, clocks, watchcases, and parts</b> .....	<b>696.8</b>	<b>658.2</b>	<b>2</b>
38731	Watches, watchcases, movements or modules, and watch parts .....	114.0	107.6	6
38732	Clocks, timing mechanisms, time switches, clock movements, clock cases, and parts .....	460.3	456.4	2
38730	Watches, clocks, watchcases, and parts, n.s.k. ....	122.5	94.1	2
<b>39</b>	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES</b>			
<b>3911—</b>	<b>Jewelry, precious metal</b> .....	<b>3 878.1</b>	<b>3 710.4</b>	<b>2</b>
39111	Jewelry, made of platinum metals and karat gold .....	2 599.6	2 613.9	2
39113	Jewelry made of silver (including platinum metals and karat gold clad to silver) .....	230.4	231.9	12
39114	Other jewelry, except costume .....	231.0	212.7	6
39110	Jewelry, precious metal, n.s.k. ....	817.2	651.9	6
<b>3914—</b>	<b>Silverware and plated ware</b> .....	<b>534.0</b>	<b>541.7</b>	<b>3</b>
39141	Hollowware (including toiletware, ecclesiastical ware, novelties, trophies, baby goods, and other plated ware) .....	227.5	227.5	7
39142	Flatware (including all knives, forks, spoons, and carving sets made wholly of metal) .....	257.6	276.7	2
39140	Silverware and plated ware, n.s.k. ....	48.9	37.4	1
<b>3915—</b>	<b>Jewelers' materials and lapidary work</b> .....	<b>879.1</b>	<b>889.6</b>	<b>3</b>
39152	Lapidary work and diamond cutting and polishing .....	132.4	173.1	1
39153	Jewelers' findings and materials of precious metal .....	561.9	548.7	5
39154	Jewelers' findings and materials of base metal .....	85.1	89.4	3
39150	Jewelers' materials and lapidary work, n.s.k. ....	99.6	78.4	3
<b>3931—</b>	<b>Musical instruments</b> .....	<b>987.7</b>	<b>900.8</b>	<b>3</b>
39311	Pianos .....	152.3	140.5	1
39312	Organs .....	73.3	87.0	12
39313	Piano and organ parts .....	29.1	29.3	2
39314	Other musical instruments and parts .....	601.9	576.0	4
39310	Musical instruments, n.s.k. ....	131.1	68.0	6
<b>3942—</b>	<b>Dolls and stuffed toys</b> .....	<b>293.5</b>	<b>290.5</b>	<b>6</b>
39420	Dolls and toy animals, including accessories thereof .....	293.5	290.5	6
<b>3944—</b>	<b>Games, toys, and children's vehicles</b> .....	<b>3 868.1</b>	<b>3 625.8</b>	<b>1</b>
39443	Baby carriages and children's vehicles, except bicycles with pneumatic tires .....	469.7	432.4	1
39444	Toys; excluding games, hobbies, and electronic toys .....	1 729.8	1 735.8	2
39445	Hobbies: models (operating or static); craft, structural, and scientific equipment kits, sets, and individual units .....	477.4	451.0	5
39446	Nonelectronic games .....	662.6	632.3	1
39447	Electronic games and toys (excluding disks, tapes, and cartridges) .....	89.5	64.0	8
39440	Games, toys, and children's vehicles, n.s.k. ....	439.2	310.3	4
<b>3949—</b>	<b>Sporting and athletic goods, n.e.c.</b> .....	<b>7 850.3</b>	<b>6 979.9</b>	<b>2</b>
39491	Fishing tackle and equipment .....	628.8	493.1	7
39492	Golf equipment .....	1 911.7	1 767.7	1
39493	Playground equipment .....	370.2	384.6	7
39494	Gymnasium and exercise equipment .....	1 406.6	1 376.1	4
39495	Other sporting and athletic goods .....	2 420.3	2 365.3	6
39490	Sporting and athletic goods, n.e.c., n.s.k. ....	1 112.8	593.2	4
<b>3951—</b>	<b>Pens and mechanical pencils</b> .....	<b>1 200.4</b>	<b>1 240.4</b>	<b>4</b>
39511	Pens .....	529.1	588.2	9
39512	Markers .....	359.6	366.3	2
39513	Other pens, mechanical pencils, and parts .....	264.4	260.8	2
39510	Pens and mechanical pencils, n.s.k. ....	47.4	25.0	8
<b>3952—</b>	<b>Lead pencils and art goods</b> .....	<b>674.9</b>	<b>650.1</b>	<b>2</b>
39523	Nonmechanical pencils, crayons, and chalk .....	361.8	348.0	4
39524	Artists' equipment .....	252.0	270.3	1
39520	Lead pencils and art goods, n.s.k. ....	61.1	31.7	1
<b>3953—</b>	<b>Marking devices</b> .....	<b>580.0</b>	<b>596.6</b>	<b>4</b>
39530	Hand stamps, stencils, and other marking devices .....	580.0	596.6	4
<b>3955—</b>	<b>Carbon paper and inked ribbons</b> .....	<b>816.8</b>	<b>856.7</b>	<b>7</b>
39551	Inked ribbons .....	616.7	675.9	9
39552	Carbon paper, stencil paper, etc. ....	140.2	148.3	2
39550	Carbon paper and inked ribbons, n.s.k. ....	59.9	32.4	1
<b>3961—</b>	<b>Costume jewelry</b> .....	<b>1 540.9</b>	<b>1 513.5</b>	<b>2</b>
39610	Costume jewelry and costume novelties (except precious metal) .....	1 540.9	1 513.5	2

See footnotes at end of table.

Table 1. Value of Shipments for Product Classes: 1993 and 1992—Con.

[For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Industry and product class code	Description	Value of product shipments (million dollars)		Standard error of estimate <sup>1</sup> (percent) for column—
		1993	1992	
		A	B	A
<b>39</b>	<b>MISCELLANEOUS MANUFACTURING INDUSTRIES—Con.</b>			
<b>3965—</b>	<b>Fasteners, buttons, needles, and pins -----</b>	<b>859.2</b>	<b>825.0</b>	<b>3</b>
39651	Buttons and parts (except precious or semiprecious metals and precious or semiprecious stones) -----	152.2	152.0	2
39654	Zipper and slide fasteners -----	246.1	234.8	3
39656	Needles, pins, fasteners (except slide), and similar notions -----	385.0	399.2	6
39650	Fasteners, buttons, needles, and pins, n.s.k. -----	75.9	39.0	2
<b>3991—</b>	<b>Brooms and brushes -----</b>	<b>1 247.0</b>	<b>1 209.0</b>	<b>2</b>
39911	Brooms -----	172.9	156.8	2
39912	Paint and varnish brushes, rollers, and pads -----	398.8	360.5	4
39913	Other brushes -----	586.9	631.3	4
39910	Brooms and brushes, n.s.k. -----	88.4	60.4	3
<b>3993—</b>	<b>Signs and advertising specialties -----</b>	<b>5 051.4</b>	<b>4 919.1</b>	<b>3</b>
39931	Electric signs -----	1 282.6	1 196.0	5
39932	Nonelectric signs -----	1 565.7	1 674.5	5
39933	Advertising specialties -----	766.8	725.6	5
39930	Signs and advertising specialties, n.s.k. -----	1 436.2	1 323.1	1
<b>3995—</b>	<b>Burial caskets -----</b>	<b>1 078.4</b>	<b>1 021.2</b>	<b>3</b>
39951	Metal caskets and coffins completely lined and trimmed, adult sizes only -----	704.2	658.8	5
39952	Wood caskets and coffins, completely lined and trimmed, adult sizes only -----	227.7	217.8	1
39953	Other caskets and coffins and metal vaults -----	112.4	116.0	1
39950	Burial caskets, n.s.k. -----	34.1	28.6	1
<b>3996—</b>	<b>Hard surface floor coverings, n.e.c. -----</b>	<b>1 499.4</b>	<b>1 484.2</b>	<b>1</b>
39960	Hard floor covering -----	1 499.4	1 484.2	1
<b>3999—</b>	<b>Manufacturing industries, n.e.c. -----</b>	<b>5 746.8</b>	<b>5 177.6</b>	<b>1</b>
39991	Chemical fire-extinguishing equipment and parts -----	453.9	421.8	1
39992	Coin-operated amusement machines -----	807.6	576.5	3
39993	Matches -----	66.8	67.0	4
39994	Candles -----	410.9	359.6	1
39996	Furs, dressed and dyed -----	18.2	25.6	28
39997	Umbrellas and parasols -----	50.9	51.3	3
39998	Feathers, plumes, and artificial flowers -----	192.3	244.9	4
39999	Miscellaneous fabricated products, n.e.c. -----	1 937.8	2 175.7	2
39990	Manufacturing industries, n.e.c., n.s.k. -----	1 808.3	1 255.1	3

<sup>1</sup>Description of standard error of estimate is given in Introduction under Qualifications of the Data. Percentage standard errors shown are approximate relative standard errors of estimates of level.

<sup>2</sup>For total value of products primary to more than one industry, see table 2.

<sup>3</sup>In addition to value of shipments shown for this class of product, more detailed statistics on value of shipments for some of products included in this class of product are shown in appropriate Current Industrial Report listed in appendixes.

<sup>4</sup>For qualifications of data, see appendixes.



**Table 2. Shipments of Selected Product Classes Primary to More Than One Industry: 1993 and 1992**

[Million dollars. For meaning of abbreviations and symbols and explanation of terms, see introductory text]

Product class code	Description	Value of product shipments (million dollars)		Product class code	Description	Value of product shipments (million dollars)	
		1993	1992			1993	1992
20116 20136	Pork, processed or cured (not canned or made into sausage) -----	5 932.4	5 535.5	32295 32296 32297 32311	Machine-made pressed and blown glassware ---	3 882.4	3 709.1
20117 20137	Sausage and similar products (not canned) -----	7 107.0	7 463.9	32298 32312 33125 33155	Handmade pressed and blown glassware -----	266.4	269.7
20118 20138	Canned meats, (except dog, cat, and baby food) -----	(D)	(D)	33126 33170	Steel wire -----	2 275.6	2 022.8
20415 20450	Flour mixes and refrigerated and frozen doughs and batters -----	4 738.6	4 244.3	33127 33167	Steel pipe and tubes -----	7 131.0	6 605.0
20642 20662	Chocolate and chocolate-type confectionery products -----	6 796.1	6 662.9	33128 33168 34627	Cold rolled steel sheet and strip -----	10 466.6	9 469.5
2211F 22617	Finished cotton broadwoven fabrics -----	3 513.7	3 120.4	3312A 3312B 34628	Cold finished steel bars and bar shapes -----	2 023.4	1 829.4
2211G 23923	Towels and washcloths -----	1 274.8	1 343.1	33151 34961	Seamless rolled ring forgings, ferrous -----	251.7	275.4
2221J 22628	Finished manmade fiber and silk broadwoven fabrics -----	3 287.5	3 258.0	33156 34966	Open die or smith forgings (hammer or press), ferrous -----	468.8	444.2
2253A 23213	Men's and boys' knit shirts -----	4 892.9	4 992.9	33157 34964	Noninsulated ferrous wire rope, cable, and strand -----	1 427.8	1 429.5
2253B 23313	Women's, misses', and juniors' knit shirts and blouses -----	1 850.3	1 665.1	33159 34968	Fencing and fence gates -----	512.0	499.4
2253C 23613	Girls', children's, and infants' knit shirts and blouses -----	700.0	699.0	33312 33412	Ferrous wire cloth and other ferrous woven wire products -----	315.8	285.3
22544 23412 23413	Women's and children's knit underwear and nightwear -----	2 215.7	2 357.9	33312 33412 33347 33417 33553	Other fabricated ferrous wire products, except springs -----	3 098.8	2 915.1
23221 23222 22541	Men's and boys' underwear and nightwear -----	(D)	(D)	33348 33418 33554	Refined copper and copper-base alloys -----	3 501.2	3 754.0
28691 2911A	Liquefied refinery gases, including other aliphatics -----	13 065.4	13 197.6	33551 33551 33571	Aluminum ingot -----	5 828.8	6 425.3
28744 28750	Mixed fertilizers -----	2 285.3	2 122.9	33575 34965	Aluminum extrusion billet -----	1 435.4	1 282.0
29117 29920	Lubricating oils and greases -----	6 698.9	6 750.1	33576 36996	Refined zinc and zinc-base alloys -----	(D)	(D)
32113 32313	Laminated glass -----	1 231.9	1 155.0		Precious metals and precious metal alloys -----	2 271.0	2 019.6
					Aluminum and aluminum-base alloy wire and cable, except covered or insulated -----	(D)	(D)
					Nonferrous wire cloth and other woven wire products -----	(D)	(D)
					Apparatus wire and cord and flexible cord sets -	959.3	1 111.4

## Appendix A.

# Qualifications of Selected Product Class Codes

Product code	Explanation
203 except 2034, 2085, 2091, 2092, and 21 -----	Represents value of production
2269 -----	Includes finishing of purchased yarn
2281 -----	Includes yarn spun and finished in same plant
26751 -----	Excludes tabulating card sets which are included in product class 27612
28137 -----	Excludes value of helium produced in government-owned plants
2819 -----	1992 figures include value of inorganic chemicals shipped by establishments classified in manufacturing and nonmanufacturing industries. Value of shipments reported by nonmanufacturing establishments classified in mineral industries was \$79 million for 1992
28213, 28214, 28220, 28331, 28430, 28651, 28652, 28653 28655, 28656, 28691, 28693, 28694, 28696, 28697, 28732, and 2911A -----	Shown in United States International Trade Commission's annual report <b>Synthetic Organic Chemicals, United States Production and Sales</b> which includes data on quantities produced and value shipped for many of the synthetic organic chemicals included in grouping
33121 -----	By definition, this product class is limited to the products produced by establishments classified in the industry having the same code as the first four digits of the product code. Some of the products included in this product class are also made in industry 3313.
3313 -----	See explanation of product class 33121 above
33553 and 33554 -----	Most aluminum billet and alloys produced by rolling and drawing mills represent duplication of tonnage reported by aluminum refiners (industries 3334 and 3341)
33980 -----	Primarily represents establishments engaged in performing metal services on materials owned by others
34710 and 34790 -----	See explanation for product class 33980 above
3731 -----	Values for ship building and repairing are value of work done

# Appendix B.

## Current Industrial Reports by Product Class Codes

Annual Survey of Manufactures product class	Current Industrial Reports
20642, 20643, 20648, 20661, 20662, 20669 -----	MA20D, Confectionery
2211G, 2221K -----	MQ23X, Sheets, Pillowcases, Towels, and Washcloths
22534, 22535, 22536, 2253A, 2253B, 2253C, 2253D, 22541, 22544 -----	MQ23A, Apparel
22731, 22732, 22733 -----	MA22Q, Carpets and Rugs
23115, 23116, 23117, 23213, 23216, 23221, 23222, 23251, 23252, 23261, 23262, 23291, 23293, 23313, 23314, 23353, 23371, 23372, 23374, 23392, 23394, 23395, 23397, 23412, 23413, 23421, 23422, 23613, 23614, 23615, 23692, 23693 -----	MQ23A, Apparel
23813, 23814 -----	MA23D, Gloves and Mittens
23840, 23851 -----	MQ23A, Apparel
23922, 23923 -----	MQ23X, Sheets, Pillowcases, Towels, and Washcloths
28121, 28123, 28125 -----	MA28A, Inorganic Chemicals
28132, 28133, 28135, 28136, 28137 -----	MA28C, Industrial Gases
28161 -----	MA28A, Inorganic Chemicals
28193 -----	MA28B, Fertilizer Materials
28194, 28195, 28196, 28197, 28198, 28199 -----	MA28A, Inorganic Chemicals
28341, 28342, 28343, 28344, 28345, 28346, 28347, 28348, 28349 -----	MA28G, Pharmaceutical Preparations, Except Biologicals
28422 -----	MA28A, Inorganic Chemicals
28511, 28512, 28513, 28515 -----	MA28F, Paint and Allied Products
28731, 28732, 28741, 28742 -----	MA28B, Fertilizer Materials
30214, 30215 -----	MA31A, Footwear
30880 -----	MQ34E, Plumbing Fixtures
32295, 32296, 32297, 32298, 32311, 32312 -----	MA32E, Consumer, Scientific, Technical, and Industrial Glassware
31420, 31430, 31440, 31490 -----	MA31A, Footwear
31510 -----	MA23D, Gloves and Mittens
32115 -----	MQ32A, Flat Glass
32510, 32530 -----	MQ32D, Clay Construction Products
32550 -----	MA32C, Refractories
32591 -----	MQ32D, Clay Construction Products
32970 -----	MA32C, Refractories
33122, 33123, 33124, 33125, 33126, 33127, 33128, 3312C, 33151, 33152, 33155, 33156, 33159, 33167, 33168, 33170 -----	MA33B, Steel Mill Products
33576, 33577, 33578, 33579, 3357A, 3357B, 3357C, 3357D, 3357E -----	MA33L, Insulated Wire and Cable
34121, 34122 -----	MA34K, Steel Shipping Drums and Pails
34310 -----	MQ34E, Plumbing Fixtures
34918, 34919 -----	MA38B, Selected Instruments and Related Products
3492A, 3492B, 3492C, 3492D, 3492E, 3492F, 3492G, 3492H, 3492J, 3492K, 3492M, 3492N -----	MA35N, Fluid Power Products, Including Aerospace

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APPENDIX B B-1

Annual Survey of Manufactures product class	Current Industrial Reports
35191, 35193, 35194, 35196 -----	MA35L, Internal Combustion Engines
35231, 35232, 35233, 35235, 35236, 35239, 3523C, 3523E, 3523F, 35241, 35244, 35246 -----	MA35A, Farm Machinery and Lawn and Garden Equipment
3531A, 3531B, 3531C, 3531E, 3531F, 3531G, 3531M, 3531N, 3531P -----	MA35D, Construction Machinery
35325, 35327, 35328, 3533A -----	MA35F, Mining Machinery, Mineral Processing Equipment
3541D, 35413, 35414, 35415, 35416, 3541A, 3541B, 3541C, 35421, 35422, 35423 -----	MQ35W, Metalworking Machinery
35611, 35613, 35615 -----	MA35P, Pumps and Compressors
35621, 35622, 35623, 35624, 35629 -----	MA35Q, Antifriction Bearings
35631 -----	MA35P, Pumps and Compressors
35694, 35695, 35696 -----	MA35N, Fluid Power Products, Including Aerospace
35713, 35714, 35715, 35716, 35717, 35718, 35721, 35722, 35751, 35752, 35771, 35772, 35784, 35789, 35792, 35793, 35795, 35799, 3579A -----	MA35R, Computers and Office and Accounting Machines
35811 -----	MA35U, Vending Machines (Coin Operated)
35851, 35852, 35853, 35854, 35855, 35856, 3585C -----	MA35M, Air-Conditioning and Refrigeration Equipment
35932, 35934, 35935, 35939, 35943, 35944, 35945, 35946, 35949 -----	MA35N, Fluid Power Products, Including Aerospace
36124 -----	MQ36C, Fluorescent Lamp Ballasts
36132, 36133, 36134, 36135, 36136, 36139 -----	MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls
36211, 36212, 36213, 36214, 36217, 36218, 36219 -----	MA36H, Motors and Generators
36251, 36252, 36253, 36254 -----	MA36A, Switchgear, Switchboard Apparatus, Relays, and Industrial Controls
36311, 36313, 36314, 36321, 36322, 36323, 36330 -----	MA36F, Major Household Appliances
36341, 36345, 36349 -----	MA36E, Electric Housewares and Fans
36391, 36392, 36395 -----	MA36F, Major Household Appliances
36411 -----	MQ36B, Electric Lamps
36431, 36432, 36433, 36434, 36435, 36436, 36441, 36442, 36443 -----	MA36K, Wiring Devices and Supplies
36451, 36462, 36463, 36470, 36485 -----	MA36L, Electric Lighting Fixtures
36511, 36512, 36514, 36515 -----	MA36M, Radio and Television Receivers, Phonographs, and Related Equipment
36611, 36613, 36614, 36631, 36632, 36691, 36692, 36693, -----	MA36P, Communication Equipment
36713, 36714, 36715, 36720, 36741, 36742, 36743, 36749, 36750, 36760, 36770, 36781, 36782, 36783, 36784, 36785, 36791, 36793, 36795, 36796, 36798, 36799 -----	MA36Q, Semiconductors, Printed Circuit Boards, and Other Electronic Components
36950 -----	MA35R, Computers and Office and Accounting Machines
36991, 36992, 36995 -----	MA36P, Communication Equipment
36996 -----	MA33L, Insulated Wire and Cable
36999 -----	MA36P, Communication Equipment
37151 -----	M37L, Truck Trailers
37215, 37242 -----	M37G, Civil Aircraft and Engines
38121, 38122, 38210, 38220, 38230, 38242, 38243, 38244, 38251, 38252, 38253, 38260, 38271, 38274, 38291, 38292, 38294, 38295, 38296 -----	MA38B, Selected Instruments and Related Products
38440, 38450 -----	MA38R, Electromedical and Irradiation Equipment

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## ANNUAL SURVEY OF MANUFACTURES